



The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

3374
EXLII

OCTOBER 7, 1944

Annual Subscription (with
Diary) 25/- . Single copies 9d.

Allenburys
TRADE MARK

**DEXTRIN-
MALTOSE**

**THE IDEAL CARBOHYDRATE
FOR MILK MODIFICATION**

ADEQUATE SUPPLIES OF ALLENBURYS
DEXTRIN-MALTOSE NO.1 ARE NOW AVAILABLE

ALLEN & HANBURYS LTD · LONDON · E · 2

TELEPHONE: BISHOPSGATE 3201 (12 LINES). TELEGRAMS: GREENBURYS, BETH, LONDON.

A New Parke Davis Product

'LERTIGON'

(HISTAMINE AZOPROTEIN)

Extensive investigation during recent years supports the hypothesis that histamine released from tissue cells by an antigen-antibody reaction plays a fundamental role in anaphylaxis and allergy. Basing their work on the theory that an artificial immunity to histamine might be obtained by using a histamine-protein complex as an antigen, workers in the Parke-Davis Laboratories developed an antigenic complex by combining histamine with despeciated horse - serum globulin. This product, known as 'Lertigon,' is now available for supply to the medical profession in 5 c.c. vials.

●

Parke, Davis & Co., 50 Beak Street, London, W.1
Inc. U.S.A., Liability Ltd.

Show 'Elasto'—It Sells on Sight!

It's advertised as a Chemist's Line

Elasto

REGISTERED

The Wonder Tablet

Read What Users of 'Elasto' Say:—

(Original letters have been seen by a representative of "The Chemist and Druggist")

Varicose Veins

As a sufferer of varicose veins, I must state that before using 'Elasto' I was tortured with tired and aching legs. After taking a month's supply of 'Elasto' I remark with emphasis that the feeling of tiredness and aching has vanished. To all sufferers of varicose veins I certainly recommend 'Elasto'—they are a boon.

AP 1180.

— R. P.

mediate relief, and, although I was relieved of the pains and inconvenience, I have never ceased to take them regularly, as I have found them to act as a tonic as well, giving me energy that I previously lacked. I have recommended them to many others since.

AT 1108.

— F. T.

Rheumatism

"I may say that I have found 'Elasto' a wonderful help. For years I suffered with rheumatism in feet and legs, and at times found it difficult to keep about. 'Elasto,' however, afforded me im-

Varicose Ulcers

"I have great pleasure in writing to say my legs are quite better and I cannot praise your 'Elasto' enough. I had suffered agonies with varicose ulcers; in fact I thought I should never get them better, but, thanks to 'Elasto,' my legs are completely cured."

AH 1263.

— E. H.

THESE generous acknowledgements are an indication of the solid goodwill behind Elasto. Thousands of users, all over the country, are daily telling their friends of similar experiences with this fine remedy.

Recommend 'Elasto'—and a satisfied customer will recommend You!

A SOUND LINE
A GENEROUS PROFIT

Retail Price 5/- per pkt.
* Including purchase tax.

Wholesale 42/- per doz.
* Including purchase tax.

A FEW SHOWCARDS STILL AVAILABLE

PATA

The NEW ERA TREATMENT CO., LTD.

DEPT. R

RECIL HOUSE, HOLBORN VIADUCT, LONDON, E.C.1



A Good Opportunity for Increased Sales

PHARMACISTS are now offered exceptional sales possibilities through 'Vimaltol.' This concentrated and economical vitamin food has a delightfully sweet orange flavour which all children love, and is a delicious alternative to malt and cod liver oil. In fact 'Vimaltol' is as nice as the nicest jam.

The vitamins in 'Vimaltol' are supplied from specially prepared Malt Extract and Yeast, which is one of the richest natural sources of Vitamin B, together with Halibut Liver Oil fortified with additional vitamins.

'Vimaltol' thus possesses definite advantages for increasing strength and weight and fortifying the natural powers of resistance. It is a product of the highest quality, and its high concentration makes it very economical in use.

Widespread advertising of 'Vimaltol,' coupled with its intrinsic merit, is creating a demand which you can turn to your advantage by ordering stocks now and displaying 'Vimaltol' prominently.

VIMALTOL

(VI-MALT-OL)

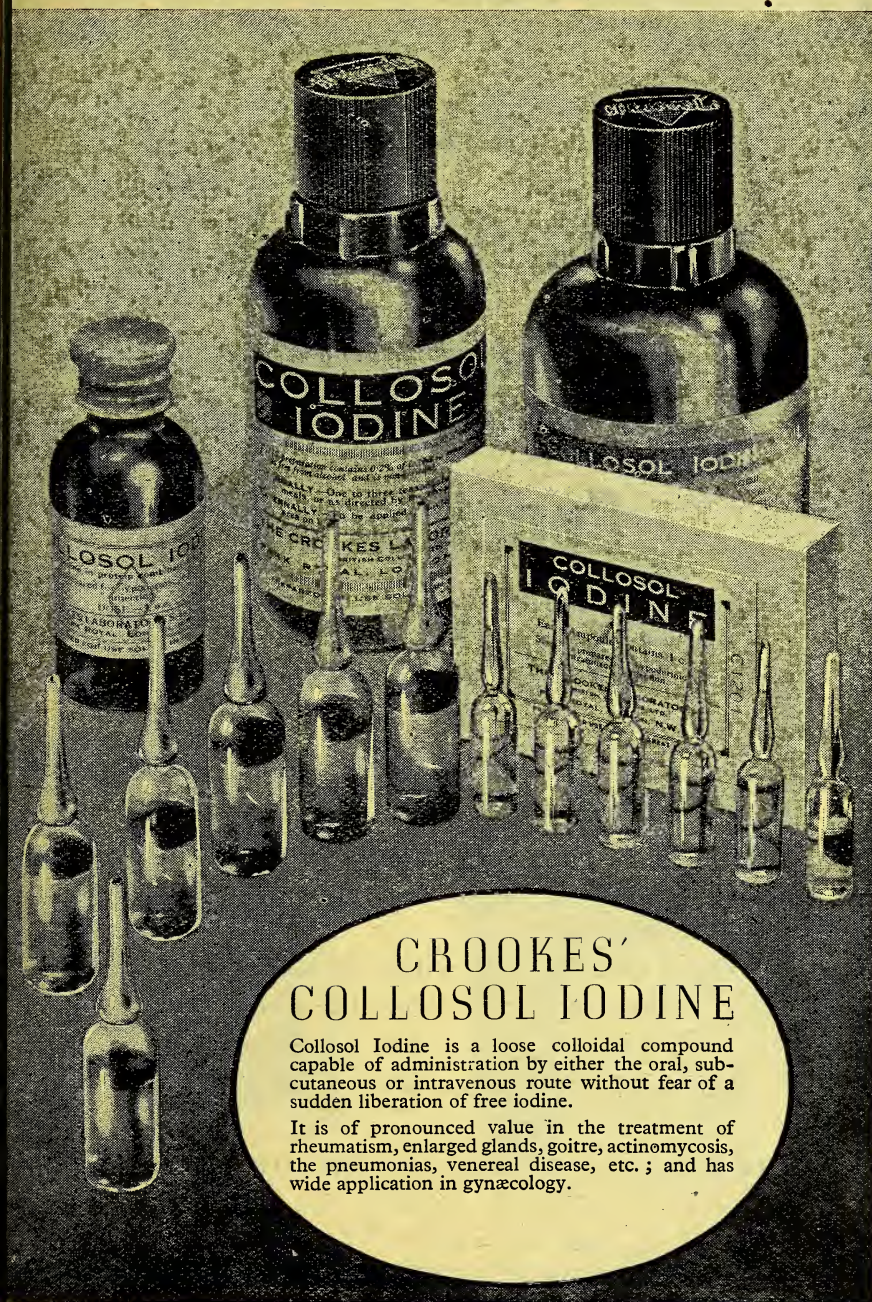
**The Delicious, Body-building, Restorative
and Vitamin Food for Infants, Children
and Adults.**

On the P.A.T.A.

Wholesale Prices: 1-lb. Jars, 27/-; 2-lb. Jars, 49/6. (Exempt from Purchase Tax.)

Retail Prices: 1-lb. Jar, 3/-; 2-lb. Jars, 5/6.

For further details write to: A. WANDER LTD., King's Langley, HERTS.



The advertisement features a collection of Crookes' Collosol Iodine products. In the background, there are three large dark glass bottles with black caps. The central bottle is labeled 'COLLOSOL IODINE' and has smaller text below it: 'This preparation contains 0.2% of iodine in a colloidal form, suitable for oral, subcutaneous or intravenous use. Dose: One to three teaspoonfuls, or as directed by the physician. It is not to be applied externally.' To the left of this bottle is a smaller bottle with a similar label. In the foreground, there are several small glass ampoules, some of which are arranged in a row. Behind the ampoules is a rectangular box also labeled 'COLLOSOL IODINE'. The box has additional text: 'Each ampoule contains 1 c.c. of solution. For oral use, the contents of one ampoule may be dissolved in water or other liquid. For subcutaneous or intravenous use, the contents of one ampoule may be injected directly into the tissue or vein. The solution is stable and does not lose its activity on exposure to light or air. It is not to be applied externally. THE CROOKES LABORATORIES, LTD., 10, PARK ROYAL, LONDON, N.W.10, ENGLAND.' The entire advertisement is set against a dark, textured background.

CROOKES' COLLOSOL IODINE

Collosol Iodine is a loose colloidal compound capable of administration by either the oral, subcutaneous or intravenous route without fear of a sudden liberation of free iodine.

It is of pronounced value in the treatment of rheumatism, enlarged glands, goitre, actinomycosis, the pneumonias, venereal disease, etc.; and has wide application in gynæcology.

New standard parcels for STOCK SENSE Concentrate Poultry Conditioner

Owing to the introduction of a new pack, drums taking the place of existing containers, the $7\frac{1}{2}$ d. and 1/6 sizes can no longer be packed in the same case.

Standard cases now consist of one size drum only and standard parcels are:

Case No. 1 — 6 doz. $7\frac{1}{2}$ d. drums

Case No. 2 — 3 doz. 1/6 drums

Case No. 3 — 1 doz. 4/- drums

PATA

Bulk sizes: 5 lb. bags, 8/6d., $\frac{1}{2}$ cwt. sacks, 75/-

BOB MARTIN LTD. SOUTHPORT, LANCS.

Established 1878.

Labels-
Cartons-
Envelopes-

& EVERY DESCRIPTION
OF MEDICAL PRINTING

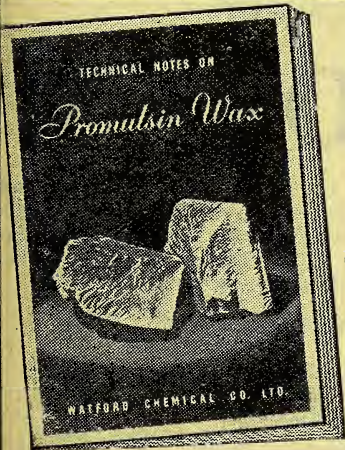
ALF. HARRISON & SONS LTD.
Chemists' Printers
BURLEY ROAD, LEEDS, 4.

INDEX TO ADVERTISERS

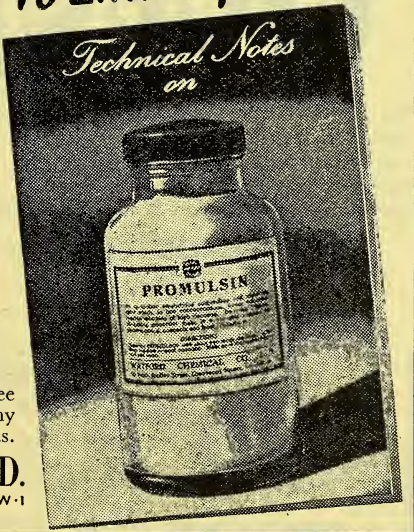
The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper should not be taken as an indication that they are necessarily available for export.

Acton Pill & Tablet Co., Ltd.	10
Aimer, G. C., & Co., Ltd.	14
Allen & Hanburys, Ltd.	Front Cover
Aristol Ambresils, Ltd.	Col. Supp.
Ashe Laboratories, Ltd.	11
Ayrton Saunders & Co., Ltd.	viii
Barker, R., & Son, Ltd.	26
Beatson, Clark & Co., Ltd.	12
Bell, John, Hills & Lucas, Ltd.	Leader Page
Benger's, Ltd.	15
Bio-Colloids, Ltd.	10
Boake Roberts, A., & Co., Ltd.	Cover iii
Briccas, Ltd.	ix
British Cod Liver Oil Producers (Hull), Ltd.	vi
Brontan, Ltd.	12
Brown & Forth, Ltd.	iv
Burgoyne Burbidges & Co., Ltd.	i
Burrough, James, Ltd.	Leader Page
Burroughs Wellcome & Co.	27
Bush, W. J., & Co., Ltd.	19
Carnrick, G. W., Co.	10
Carus, A., & Sons, Ltd.	x
Cellon Laboratories, Ltd.	17
Chappell Allen & Co., Ltd.	x
Ciba, Ltd.	28
Container Reclamation Co., Ltd.	24
Container Recovery Service	23
Continental Laboratories, Ltd.	9
Cox, Arthur H., & Co., Ltd.	Cover iv
Crookes Laboratories (British Colloids, Ltd.)	3
Dales Aspirin Co.	13
Daniel, Richard, & Son, Ltd.	13
Davenport, J. T., Ltd.	18
Dearborn (1923), Ltd.	23
Denver Chemical Co.	10

(continued overleaf)



Aids to Emulsification



Pharmacists are invited to write for free copies of these booklets which contain many typical pharmaceutical and cosmetic formulas.

WATFORD CHEMICAL CO. LTD.

50 SOUTH AUDLEY STREET, GROSVENOR SQ., LONDON, W-1
Telephone: Grosvenor 1018

INDEX—(contd.)

Drugs & Toilets (Pty.), Ltd.	xi	Napp, H. R., Ltd.	Leader Page
Dublin College of Optics	Col. Supp.	New Era Treatment Co., Ltd.	1
Duncan, Flockhart & Co.	iv	Newball & Mason, Ltd.	24
Dunn Bros. Successors, Ltd.	iv	Organon Laboratories, Ltd.	v
E.N.T. Manufacturing Co., Ltd.	13	Ormerod Engineers, Ltd.	xii
Economic Utilities, Ltd.	vii	Orridge & Co.	Col. Supp.
Esmorea Chemical Co.	v	Owbridge, W. T., Ltd.	18
Faylene Manufacturing Co.	Col. Supp.	Oxo, Ltd.	8
Freudentheil, Smith & Co.	Leader Page	P.A.C. Chemicals, Ltd.	25
Frishmann, H.	ii	Pakcel, Ltd.	24
Furmott Chemical Co. (Factors), Ltd.	ii	Palestine Potash, Ltd.	ii
Gardiner & Co. (The Scotch House), Ltd.	26	Parke, Davis & Co.	Cover ii
Glover, T., & Son, Ltd.	14	Pascal Engineering Co.	xii
Gordon & Gotch, Ltd.	25	Pharman (Birtley), Ltd.	13
Gosheron, John, & Co., Ltd.	24	Pharmax, Ltd.	17
Griffiths Hughes, E., Ltd.	17	Porteus, Geo., & Sons (Leeds), Ltd.	xii
Hardy, M. W., & Co., Ltd.	xiii	Potter & Clarke, Ltd.	21
Harley, T., Ltd.	11, 24	Preemo & Silks, Ltd.	16
Harrison, A., & Sons, Ltd.	5	Price, A. S., & Co., Ltd.	14
Health Products Laboratories, Ltd.	9	Prunol Proprietaries, Ltd.	12
Hewlett, C. J., & Son, Ltd.	25	Rankin Bros. & Sons	Leader Page
Hickman (1928), Ltd.	24	Ransom, Wm., & Sons, Ltd.	20
Hirst, Stuart, Ltd.	Leader Page	Rendell, W. J., Ltd.	22
Hough, Hoseason & Co., Ltd.	8	Riddell Products, Ltd.	11
Hurtley, F., Ltd.	x	Roberts & Sheppey, Ltd.	16
Ingram, J. G., & Son, Ltd.	xi	Salem (Pulverized Tragacanth), Ltd.	vii
Insecto Manufacturing Co.	26	Salvago, C. M., & Co.	viii
International Laboratories, Ltd.	v, vii	Samona, Ltd.	9
Jeffreys, Miller & Co., Ltd.	13	Savory & Moore, Ltd.	Leader Page
Kearsley, C. & G., Ltd.	14	Scurr, C. A.	Col. Supp.
Keene's Laboratories, Ltd.	13	Selka, Ltd.	xi
King, G., & Co.	14	Sessions, W., Ltd.	xiii
Lang, Jules (Optical), Ltd.	25	Sherley, A. F., & Co., Ltd.	xiii
Lewis (Import & Export), Ltd.	26	Sigal & Co., Ltd.	25
London Pharmaceutical Laboratories, Ltd.	16	Splendor, Ltd.	14
Maisonneuve & Co.	Col. Supp.	Suter, A. F., & Co., Ltd.	vii
Martin, Bob, Ltd.	4	Thornton & Ross, Ltd.	vi
Matthews Laboratories, Ltd.	Leader Page	United Chemists Association, Ltd.	7
Meggeson & Co., Ltd.	xiv	Verdiere, Ltd.	xiii
Menley & James, Ltd.	6	Wander, A., Ltd.	2
Monro, G., Ltd.	26	Watford Chemical Co., Ltd.	5
		Whiffen & Sons, Ltd.	iii
		Wilson & Mansfield, Ltd.	vii

NOW IN TWO STRENGTHS

OVENDOSYN

The value of oestrogenic treatment of cancer of the prostate is already clinically established and its potentialities in inoperable breast cancer are now being hopefully explored. Since relatively large doses of stilbœstrol are sometimes required for these two malignant conditions, 'Ovendosyn' Forte has been introduced in addition to the well-known standard 'Ovendosyn' Tablet.

'OVENDOSYN'

Each tablet contains

STILBÆSTROL	...	0.5 mg.
CALCIUM PHOSPHATE	...	290 mg.

'OVENDOSYN' FORTE

Each tablet contains

STILBÆSTROL	...	5.0 mg.
CALCIUM PHOSPHATE	...	325 mg.

TRADE AND RETAIL PRICES

		Face Price Exclusive of Tax	TRADE PRICE per dozen	Purchase Tax per dozen	Minimum Retail Price including P. T.
'OVENDOSYN'	Bottles of 50 Tabs.	...	3/-	4/6	3/4½
	" " 250 "	...	12/5	18/9	14/-
'OVENDOSYN' FORTE	Bottles of 50 Tabs.	...	4/6	6/9	5/1
	" " 250 "	...	18/7½	28/2	21/-

MENLEY & JAMES LIMITED, 123, COLDHARBOUR LANE, LONDON, S.E. 5

OFT3



The Name the
public associates
with Quality
after 32 years of
trial



UNITED CHEMISTS ASSOCIATION LIMITED
UCAL WORKS, CHELTENHAM

"OXOID"

The word "OXOID" is the trade mark of OXO Ltd., and is used in connection with their therapeutical preparations both, in tablet and fluid extract form.

ORGANO-THERAPEUTICAL PRODUCTS

OXO LABORATORY PREPARATIONS

"PITOXYLIN" PITUITARY EXTRACT (POSTERIOR LOBE)

Prepared and standardised in accordance with the provisions of the Therapeutic Substances Act. Used for the Induction of Labour; Uterine Inertia; Post Partum Hæmorrhage; Surgical Shock; Diabetes Insipidus.

An approved and long established preparation.

Ampoules: 5, 10 and 20 International Units per c.c.

OXO LIMITED

Thames House, Queen Street Place,

London, E.C.4

OXO LABORATORY PREPARATIONS

BETTER THAN EVER
*and available in
good quantities*

**STOCK
NOW!**



This attractive pack, which is heavily advertised throughout Great Britain, is truly a "Chemists' Friend," and provides a generous profit margin for a small outlay. Demand is again already soaring with the approach of winter months, and in order to assure your share of supplies in good time it is advisable to order promptly

ACTIVE INGREDIENTS

Menthol 0.25%, Phenol B.P. 0.75%, Paraformaldehyde 0.6%, Iodine B.P. 0.0143%, Potassium Iodide 0.037%, Creosote B.P. 0.02%, Citric Acid 1%, in pleasant "Troch-Tab" base.

RETAIL 1/3 including Tax

1 to 3 doz., 9/6 per doz. + P.T. 16 $\frac{2}{3}$ %
= 11/1 per doz.
6 doz. lots, 8/6 per doz. + P.T. 16 $\frac{2}{3}$ %
= 9/11 per doz.
1 gross lots, 8/- per doz. + P.T. 16 $\frac{2}{3}$ %
= 9/4 per doz.

Packed in Dozen Outers,
3 Dozen and over carriage paid.

BONUS: 13 to dozen 6 dozen and over,
5 to 10 gross lots Special Rates.

HOUGH, HOSEASON & CO. LTD.

PENDLETON

MANCHESTER

MEMBERS OF THE P.A.T.A.

In these trying times —



INDICATIONS

General fatigue and debility, hypertension, infective conditions, night blindness.

PACKINGS AND PRICES

80 tablets.. .. 3/4½
250 tablets.. .. 9/6
1000 tablets.. .. 30/7½

(Including Purchase Tax) **P.A.T.A.** List

CAROVIT
BRAND
CHLOROPHYLL TABLETS

101 Great Russell St. LONDON, W.C.1
Telephone: MUSeum 2042-3

CONTINENTAL LABORATORIES LTD

SAMONA

75% OF YOUR CUSTOMERS NEED

SAMONA

The well known Restorative

This wonderful Med'cal Restorative BRINGS IMMEDIATE RELIEF IN ALL CASES OF NERVE STRAIN, DEPRESSION, TIRED and LISTLESS APPEARANCE, MENTAL and PHYSICAL EXHAUSTION.



SAMONA LTD., Northington House, Northington Street, LONDON, W.C.1

PRICES (including purchase tax)

3/5 and 5/7½
(more than double quantity)

VIKELP

Nutritional Food Tonic

All pharmacists know that the underlying cause of most Rundown, Nervous conditions and Deficiency diseases is Mineral and Vitamin deficiency.

In such cases VIKELP supplies the need for a sure and certain corrective. Each tablet contains 10 essential Mineral Salts —i.e.

Calcium	Phosphorus
Iron	Copper
Iodine	Magnesium
Sulphur	Potassium
Sodium	Chlorine
and, in addition,	Vitamin B₁

Obtainable from your regular wholesaler or J. C. Gambles & Co., Ltd., 211/215, Blackfriars Road, London, S.E.1.

HEALTH PRODUCTS LABORATORIES LTD.
128-134 Baker Street, London, W.1



HORMOTONE[®] T[®]

PATA

To obviate delays in meeting the increasing number of prescriptions for Hormotone "T," chemists are invited to replenish their stocks now.

Orders for "HORMOTONE" "T" Brand or any of the other products listed below can be accepted for immediate delivery from stock.

Order through your usual wholesaler or direct from sole distributors.

"HORMOTONE" "T" Brand in bottles of 40 tablets only.

IMMEDIATE SUPPLIES FROM STOCK

G. W. CARRICK CO.

20 Mount Pleasant Avenue
NEW JERSEY, U.S.A.

DISTRIBUTORS:

BROOKS & Warburton, Ltd.
232 Vauxhall Bridge Road, S.W.1

Also available from stock:

HORMOTONE Brand, bottles of 100 and 500 tablets.
HORMOTONE Brand without POST-PITUITARY, bottles of 100 tabs. TRYPSOGEN Brand, bottles of 100 and 500 tabs. TRYPSOGEN Brand (special-coated) bottles of 100 and 500 tabs. COLOPO Brand, bottles of 40 tabs.

**MANOIDS
NEVROIDS
URICURE TABLETS
OCCASIONAL PILLS**

THE ACTON PILL & TABLET Co. Ltd.
ASH VALE, SURREY,
and all Sundries Houses.

SD2

The Symbol of

PERFECT Skin Health

A revolutionary product for the treatment of skin illnesses with unusual penetrative power. Sold under a money-back guarantee of satisfaction. Liquid and cream. Prompt deliveries.

BIO-COLLOIDS, LTD., ALTRINCHAM, CHES.

PATA



BC20

Antiphlogistine
TRADE MARK

is a safe and dependable first-aid surgical dressing for

BURNS, ABRASIONS, CUTS, SPRAINS, SCALDS, etc.

and wherever inflammation is present

it is a reliable and profitable item to handle, always

THE DENVER CHEMICAL MFG. CO., 12 Carlisle Road, London, N.W.9

RIDDOBRON ASTHMA INHALANT
HAS NOT ONLY SECURED AN UNPRECEDENTED SUCCESS AS THE
MOST EFFICIENT TREATMENT FOR
ASTHMA, BRONCHITIS AND EMPHYSEMA
BUT IT HAS ALSO PROVED A REMARKABLE BUSINESS GETTER OWING
TO THE CONSTANT FLOW OF REPEAT ORDERS.
INCREASE YOUR TURNOVER BY RECOMMENDING RIDDOBRON
TO ALL YOUR ASTHMATIC CUSTOMERS


SPASMOPURIN SUPPOSITORIES	Adjuvant to RIDDOBRON inhalation Treatment. Angina Pectoris, Arteriosclerosis, Dysmenorrhoea.
RIDDOSAN INHALANT	Adjuvant to RIDDOBRON Inhalation Treatment. Indispensable for: BRONCHITIS, LARYNGITIS, TONSILLITIS, CATARRHS, HAYFEVER, HOARSENESS AND SORE THROAT.

RIDDELL INHALERS GUARANTEE THE BEST RESULTS



RIDDELL PRODUCTS LIMITED
"THE LEADING HOUSE FOR INHALATION THERAPY"
AXTELL HOUSE, WARWICK ST., LONDON, W.1
Also at 12 Mosley Street, Manchester






***A Nose for
Business!***

All progressive chemists now regularly stock Mascot, the Vest Pocket liquid inhalant in the novel pack.

Its effectiveness and simplicity of application—The Little Finger-tip Dose—places it in the front line of quick sellers, and if you have a nose for business you will write today for particulars and terms.

MASCOT
(T. M. Regd)
LIQUID INHALANT

Mascot Laboratories, 55 South Methven St.,
Perth, Scotland.



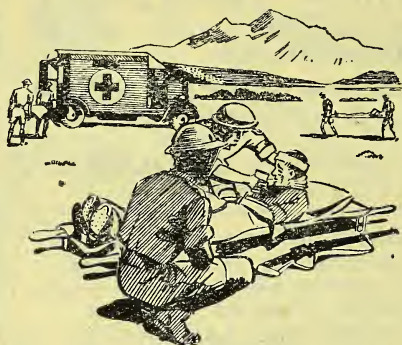
*Proteins Amino
 Acids*

*Clinical
Research*

Protein digests and single amino acids are assuming increasing importance in studies of the specific nutritional needs of human beings in both normal and pathological states. Such studies in this country have been handicapped in the past by lack of material supplies. Ashe Laboratories Ltd. take pleasure in announcing that the intensive programme undertaken by the staff of their research laboratories to overcome these difficulties is well advanced.

Protein hydrolysates for parenteral and oral administration are now available for clinical research. Enquiries are also invited from research institutions and hospitals for crystalline amino acids.

*Ashe
Laboratories Ltd
120-122 Victoria St.
E. 2. 2. 2. 1*



BEATSON CLARK BOTTLES ON ACTIVE SERVICE

Beatson Clark Bottles are helping to bring relief to the sick and wounded. The R.A.M.C. and hospital staffs are on the job with tender care plus the necessary drugs and medicines, many of which are packed in and protected by Beatson Clark Bottles. War demands greatly reduce the ordinary user's share of these bottles—but the time when supplies are unlimited will be well worth waiting for.



BEATSON CLARK & Co. Ltd.
MANUFACTURERS OF CHEMICAL AND MEDICAL GLASS
ROTHERHAM ESTABLISHED 1854 YORKS

The 7^D PRUNOL *sells on sight* KEEP IT TO THE FRONT

Prunol continues to increase in public favour. It is in constant demand for children and adults. Supplies are still available for prompt delivery from all wholesale houses.

Prunol sells at 7d. & 1/8 (including tax)

PRUNOL PROPRIETARIES LTD.
Sales Dept.

Northington House
NORTHINGTON ST., LONDON, W.C.1



Prunol PASTILLES THE IDEAL FRUIT LAXATIVE



Astringent & Antiseptic,
a soothing lotion for
customers seeking relief
for their eyes. Supplies
available from qualified
C. F. Wholesalers.

Brontalene EYE LOTION

prices:

18/- per doz. Purchase Tax 3/- per doz.

Bonus scheme for 1 gross.

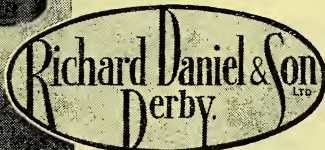
Retail Price including P.T. 2/5 per bottle.

Enquiries to BRONTAN LTD.,
6/8 Scruton Street, London, E.C.2.
Phone B1Shopgate 7935



Established 1860

MANUFACTURERS OF
TABLETS
AND
PILLS
For the
Pharmaceutical
Trade



'Phone: Derby 4266-7-8. 'Grams: Dania, Derby

PEROX CHLOR

Keene's Laboratories Limited will be glad if chemists who were selling Perox Chlor before the war and who now have a difficulty in getting reasonable supplies will write direct to their office at 46 Elswick Rd., Newcastle-on-Tyne 4

THIS TRADE MARK is a sign of steady sales all-the-year round. E.N.T. Powders and Capsules are profitable lines.

Ask for samples and trade terms.



E.N.T. Manufacturing Co. Ltd.

431 GLOUCESTER ROAD, BRISTOL 7



PHARMAN (BIRTLEY), LTD.

Manufacturers of
Pharmaceutical Specialities
BIRTLEY, Co. DURHAM

MILLAMALT

The VITAMIN
MALT FOOD

With Guaranteed Complement of Vitamins A, B, C & D
Sole Manufacturers, JEFFREYS, MILLER & Co. Ltd. Leyland Mills, WIGAN. London Dept. 19 Brookside Road, N.19

Makers of **COMPRESSED TABLETS**
for the Manufacturing and Wholesale Trade only

The DALES ASPIRIN COMPANY

PROPRIETOR
(H. A. TOLKIEN)

SILSDEN, Nr. KEIGHLEY, Yorks.

Output of Saccharin
and Aspirin Tablets sold for some months ahead

★ **NATIONALLY ADVERTISED**
 ★ **20% PROFIT TO RETAILER**

JENNER'S malted

Soyacream

TONIC FOOD

Soyacream "sells itself" and customers come again: a profit-making line with no problems. Stock up now for winter.

SPLENDER LTD.
 5 Beeston Market Hill
 Nottingham & 7c
 Lower Belgrave St.
 S.W.1

Retail
2/-
 per
 tin



'VERLOG' (Trade Mark)
SURGICAL ELASTIC HOSIERY
 Belts, Trusses, Suspensory Bandages, etc.
ATHLETIC SUPPORTS
 Knee Caps, Anklets, Jockstraps
RHOS. GLOVER & SON, LTD., CARLTON, NOTTINGHAM
 Tel.: 58227 (2 lines). 'Grams: Verlog, Nottingham

GLASS BLOWING

BENCH BLOWN

**LABORATORY AND INDUSTRIAL
 GLASS APPARATUS. (Also REPAIRS)**

G. C. AIMER & CO. 56-6 ROCHESTER PLACE,
 CAMDEN RD., N.1
 GUL. 3618

SURE-SELLING STOCK!

OVER 150 YEARS REPUTATION

KEARSLEY'S

THE ORIGINAL

WIDOW WELCH'S FEMALE PILLS

9d. BOX PROFIT by ordering 1 dozen 2/10 size.
 Bonus box given on every dozen (13). It pays to
 push this size.

C. & G. KEARSLEY LTD.

71 DARTMOUTH RD., LONDON, S.E.23

Established 1787 In the Reign of King George III

FINE
 (Red Label)

MEDIUM
 (Green Label)

OATREX

KING'S SPECIALLY PROCESSED
 SCOTCH OATMEAL FOR INFANTS,
 INVALIDS AND CHILDREN

.....

RETAIL SELLING PRICES:

Per 1 lb. Tin

1/4

Per 2 lb. Tin

2/6

Demand exceeds supply, but we endeavour to maintain an even distribution to our customers.

If undue delay in obtaining supplies of OATREX is experienced, please get in touch with us.

GEORGE KING & CO., LTD.

Albion Food Mills, Kingsbury, N.W.9

YOUR CUSTOMERS

The Fast Selling

Remedy for

COLDS, 'FLU

HEADACHES

Rheumatic

Pains, etc

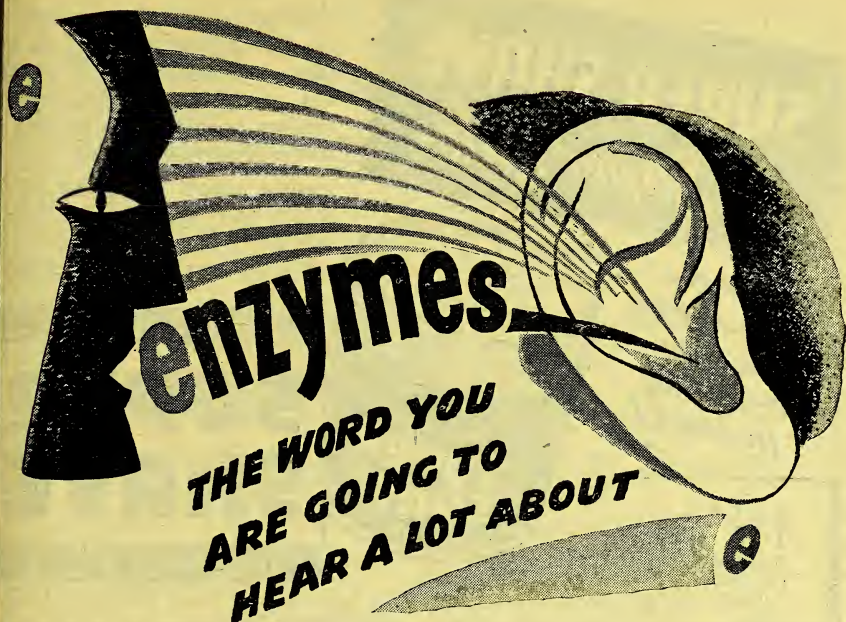


FLY TO

"Fly To Flu"
 REGD. TRADE MARK
POWDERS
 ALSO IN TABLET FORM

A. S. PRICE & Co. Ltd., BLACKHEATH, B'HAM

M-W.44



Talk of Enzymes Think of Bengers

Liquor Pancreaticus. Liquor Pepticus. Rennet for Cheese Making. Rennet for Industrial Purposes. (Alcohol Glycerol Extract of Rennet for Whey Feeding of Infants). Special Junket Powders. Extomak (Desiccated Hog Stomach) Benecol (Mammalian Intestinal Extract in capsule form). Pancreatin Capsules. Pancreatin for Industrial Use. Pepsin. Bengers Food.

BENGER'S LTD., HOLMES CHAPEL, CHESHIRE

'SUPER SHAVE' for 'Super' Sales

and for the
perfect BRUSHLESS
shave with
after-shaving
freshness!



RETAILS AT
1/10 4 oz. Jar

Obtainable at Chemists and
Hairdressers' Sundriesmen

LONDON PHARMACEUTICAL LABORATORIES, LTD. 24 THORNSETT ROAD, LONDON, S.W.18

'SUPER SHAVE,' the last word in brushless shaving creams is fast becoming first favourite. . . . Display and recommend 'SUPER SHAVE' and see how it speeds up sales as well as speeding up shaving.

'SUPER SHAVE' represents SUPER VALUE plus QUALITY to merit your confident recommendation. Stock up NOW for steady, satisfactory sales.

BRUSHLESS

SUPER SHAVE

SOAPLESS

MAKE SURE YOU
HAVE ADEQUATE
STOCKS
OF

MEL ROSE

in
TABLET
form for

RASHES, BROKEN BLISTERS,
CUTS, SORES, SCABS, etc.

3d. & 6d. per box. Tax inc.

This well-known and popular line is
being extensively advertised and is
IN GREATER DEMAND THAN EVER

3d. size. 21/- per gross. P.T. 3/6

6d. " 42/- " " " 7/-

FROM ALL THE LEADING WHOLESALERS

If unable to obtain write

ROBERTS & SHEPPEY, LTD., Mfg. Chemist:
HOLTON MILL, HOLTON, OXFORD



If it's **PREMO** it's good

When making up BEAUTY and TOILET PREPARATIONS, PERFUMES, COSMETICS, etc., a really good PERFUME is essential.

PREMO PERFUME ESSENCES are really good and highly concentrated with the true scent of the NATURAL flower. Chemists all over the country are using PREMO PRODUCTS, ARE YOU?—if not, a trial will convince you.

EMPTY BOTTLES and JARS in various sizes

PREMO & SILKS Dept. C.D.
330 KILBURN HIGH ROAD, LONDON. N.W.

Telephone: Maida Va. 3234

LPE141A



Offer *real* relief to sufferers from Catarrh

The KARSODRINE pocket inhaler (containing Amphetamine) affords instant and prolonged relief in cases of Nasal Catarrh, Head Colds, Sinusitis, and all forms of nasal congestion.

Can be carried in the pocket or handbag and, by removal of only one cap, is immediately ready for use.

The powerful vasoconstrictor in the inhaler instantly penetrates and decongests inflamed mucosa in the nasal cavity, freeing blocked air passages. KARSODRINE vapours are pleasant and soothing and their effect is prolonged.

Invaluable as a constant companion during epidemics.

★ KARSODRINE ★

The vasoconstrictor inhaler with one cap

Each Karsodrine Inhaler contains: Amphetamine 0.330 grm.; Cineole 0.093 grm.; Ol. Citronell 0.026 grm.; Methyl Salicyl. 0.023 grm.; Ol. Cedri 0.005 grm.; Menthol 0.049 grm.; Ol. Eucalypt. 0.089 grm.

E. GRIFFITHS HUGHES LTD., 7, ADELPHI, SALFORD 3, MANCHESTER

PATA

Retails at 1/6 (inc. tax). Shows up to 5/2½ per doz. profit even on small quantities, when ordered with other Griffiths Hughes' lines. Send order to—

UNLIMITED
SUPPLIES OF

**DIUROMIL
AND
RALGEX**

ARE AGAIN
AVAILABLE

Supplies can be obtained at once either from the wholesale houses or direct from

PHARMAX LTD.
Ibex House, Minorities, London, E.C.3

PATA

CELLON SERVICE

FOR INDUSTRIAL WELFARE

Control of Pediculosis Capitis

C E L E T A N E

(Regd.)
Medicated (Lethane) Hair Oil—N.W.F.
(Lethane 384 Special and Refined Mineral Oil)

As recommended by the Ministry of Health.

The specific hitherto known as
"LETHANE OIL." Undetectable
in use. Rapidly effective, terminates
infection upon treatment.

Further information, sample and prices upon request

KINGSTON-ON-THAMES

KINGSTON 1234 (5 lines)

**CELLON
LABORATORIES**

LIMITED

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

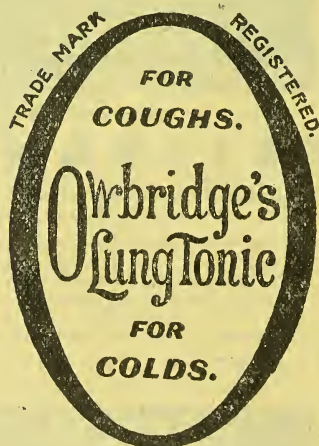
PURCHASER'S SIGNATURE NOT REQUIRED



Sole Proprietors:

J. T. DAVENPORT LTD.
UNION ST., LONDON, S.E.1

P.A.T.A.



We regret that owing to shortage of raw materials we are still compelled to ration supplies to our customers

We should very much appreciate customers emptying our cases as soon as possible after receipt and returning same at their EARLIEST convenience.

SERIOUS DELAYS IN DELIVERY ARE BEING CAUSED BY THE SHORTAGE OF CASES.

(Protected by P.A.T.A.)

W. T. OWBRIDGE, Ltd., The Laboratory, HULL



BUSH

AMPHETAMINE

B.P.

MANUFACTURED BY

W J BUSH & CO LTD

LONDON · E8 · ENGLAND

RANSOM

Actual growers of
**BELLADONNA, HENBANE,
 FOXGLOVE, CHAMOMILE & LAVENDER**

EXTRACTS SOLID & LIQUID
**TINCTURES, RESINOIDS, OLEO-RESINS,
 MEDICINAL RESINS, ESSENTIAL OILS**

• ALOIN, CAPSICIN, GINGERIN,
 ERGOTIN, EXTRACT OF QUASSIA,
 CHLOROPHYLL, JALAP RESIN,
 RUBBED PARSLEY and SAGE

WILLIAM RANSOM & SON LTD EST. 1846
Manufacturing Chemists **HITCHIN.**



Potter's Galenicals



LIQUID EXTRACTS, TINCTURES, INFUSIONS, DECOCTIONS, EMULSIONS
and all Pharmaceutical Preparations

All of the very highest order.—The result of many years of scientific research and practice

POTTER & CLARKE LTD

60-64 ARTILLERY LANE, LONDON, E.1

77 DANTZIC STREET, MANCHESTER, 4

Phones: London . . . Bishopgate 4761-7 Grams: Horehound, Phone, London
" Manchester, Blackfriars 8734 " Horehound, Manchester

ASK YOUR
CHEMIST...



IN our press advertisements we advise women to ask their chemist for a copy of "Hygiene for Women," by Nurse Drew.

50,000 direct applications prove women are vitally interested in feminine hygiene.

If you have not a good supply of these popular booklets for counter display then you are not getting your share of the ever-growing demand for the various Rendells Products.

Why not write us today for a supply of our latest Chemist Display Aid?

Rendells
PRODUCTS

PATA

FOR FEMININE HYGIENE

W.J. RENDELL LTD · HARDWICK HOUSE · 161-5 ROSEBERY AVENUE · LONDON, E.C.1

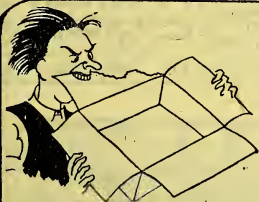
If there's delay

in supplying all your orders for
Mercolized Wax, Clynol Berries for
Obesity and the rest of our lines,
don't blame us—Blame the War.

But we will soon be back in full pro-
duction, so please continue to send
your enquiries to Leighton Road.

DEARBORN (1923) LTD.

7 Leighton Road, Kentish Town, London, N.W.5



Please don't tear Flaps!

We're still in a bit of a flap about FLAPS! Please be careful not to tear them when collapsing fibre-board cases for collection. Otherwise they're useless for using again. And—you won't forget to keep the flaps sticking out, *not* folded in, will you? Thanks very much.

Remember, cash is paid for all usable cases at time of collection. No book entries! No credit notes! Vans collect during normal deliveries. C.R.S. vans provide regular additional service every 3-4 weeks.

PLEASE open cases carefully. Don't break wooden lids or tear fibre-board flaps. ALLOWANCE CARD, giving full details of prices, on application.

open carefully
keep them clean

C·R·S

sort them out
have them ready

Sole Authorised Collectors for Metal Tube Salvage.

★ Chemists who are not receiving regular Collection Service are invited to inform us immediately.

C R S 9A-51

CONTAINER RECOVERY SERVICE S.P.D. LIMITED

Unilever House, Blackfriars, London, E.C.4

Telephone :
Central 7474

Telegrams :
Spedeco, Telex, London



We buy

redundant stocks of
**TINS, BOTTLES, DRUMS,
JARS, CARTONS, CONTAINERS**
of all types

Sell us those containers for which
you have no further use (any type and
in any quantity) and we will make them
available where they are needed most.

Send samples and details to:-

The **CONTAINER RECLAMATION Co., Ltd.,**

REGIONAL HOUSE · 21-41 WELLINGTON RD · LONDON · NW8

Telephone: PRIMROSE 0015 (4 Lines) Telegrams: CONTRECLAM, Phone, London.

If you are seeking supplies let us know your requirements

THE LARGEST CLEARING HOUSE FOR ALL TYPES OF CONTAINERS

"RODINE"

RAPID RAT REMOVER

Always in demand!

T. HARLEY LTD., PERTH, SCOTLAND

'A Sign of Good Storefitting'

HICKMAN STOREFITTERS

LONDON

PRIORITY!

Let us add your
name to our
Priority List for
Post - War Shop-
fitting Service
(without obligation).
Write us today!

**SPEED
SERVICE
CRAFTSMANSHIP**

HICKMAN LTD

NORTH CIRCULAR RD, LONDON, N.W.2.
TELEPHONE · GLADSTONE · 6262.

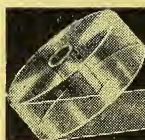
Good! it's **MASON'S**

EXTRACT OF HERB!

A 9d. bottle makes 6 gallons of
delicious sparkling Mason's Herb
Beer. **GOOD PROFITS—QUICK SALE!**

Write for Trade Terms

NEWMAN & MASON LTD., NOTTINGHAM. Est. 1850



TRANSOTAPE

CELLULOSE SELF-ADHESIVE TAPE

The PERFECT airtight closure for all containers

Samples & prices from **JOHN GOSHERON & CO. LIMITED.**
BAYFORD ROAD, LONDON, W.12.



PAKCEL FOR ALL TRANSPARENT PACKINGS

LTD

BAGS · WRAPPERS · REELS · CONTAINERS · SELF-ADHESIVE

TRANSPARENT TAPE · SPECIALITY: ORIGINAL DESIGN

AND COLOUR PRINTING TO CLIENTS' REQUIREMENTS

When enquiring please give full particulars

PAKCEL LIMITED · BEAVER LANE · HAMMERSMITH · LONDON · W6

FOR HEALTH and HYGIENE in the HOME

Boon Products are the result of scientific research which led to the discovery of Antiseptics possessing higher germicidal power than those previously available. Moreover, these new Antiseptics are incorporated in bases which enhance their healing and disinfecting efficiency.

Boon Doral

4 oz. bottles. The Antiseptic that Cleans.

Boon Skin Salve

2 oz. jars. Powerfully Antiseptic, non-greasy, protective and curative.

Boon Skin Emulsion

4 oz. bottles. Powerfully Antiseptic, cleaning, soothing and protective.

Terms from S. MAW, SON AND SONS LTD.,
ALDERSGATE HOUSE, NEW BARNET, HERTS.

Manfs.: P. A. C. CHEMICALS LTD., EPSOM, SURREY



SELLOTAPE

SELF ADHESIVE CELLULOSE TAPE

Instantaneous finger pressure adhesion. All widths. Various colours, plain, transparent.

SUPPLIED for ESSENTIAL WORK ONLY

Official Distributors:
GORDON & GOTCH LTD.
Dept. CD2
75/9 Farringdon St.
London E.C.4.

SPECTACLE FRAMES IN ACETATE and GOLD FILLED NICKEL JOINTS, RIVETS and JEWELLERY REQUISITES

Our long experience is at your Service

JULES LANG (OPTICAL) LTD.

CHARLTON PLACE, ISLINGTON, LONDON, N.1

Tel.: CANONBUR, 3237 (3 lines)

Lens Factory, Old Mill Lane, Hammersmith, W

FOR ARTHRITIS

particularly the infective types

“S.B.T.”

Brand Sterilised Solution

Prepared under Medical supervision and direction to the original formula from Howards' "SOBITA" brand Bismuth. et Sodii Tart. B.P. Add. 1936.

Lancet 19.2.44, p. 264

Prices to the Medical Profession

Rubber Capped Bottles

10 c.c. 10/-; 60 c.c. 50/-

20% discount to Pharmacists and Hospitals

Write for Medical Literature

C. J. HEWLETT & SON, LTD.

35-43 Charlotte Road, LONDON, E.C.2



Galjado

HAIR COLOUR RESTORER

For Grey or Faded Hair.

S. SIGAL & CO, LTD.

MANUFACTURERS OF EXCLUSIVE
TOILET PREPARATIONS.

47 TABERNACLE ST., LONDON, E.C.2

GARDINERS for OVERALLS



LONG OVERALL COATS (SHRUNK)

Men's. White or Khaki
13/9, 15/-.

Women's Overalls.

Cross-over style. White, Khaki,
Navy, Green, Saxe - 11/9.
Coats and Overalls: 3 coupons.

Men's Super White Drill Jackets - 8/6, 9/11.

Jackets: 2 coupons.

State Chest measurement.
Cash and coupons with order
Satisfaction Guaranteed.

Postage: 1 coat, 7d.; 2 coats,
9d. Orders over £2, carriage
paid.

GARDINER & CO. (THE SCOTCH HOUSE) LTD.

13 & 5 COMMERCIAL ROAD, LONDON, E.1

Opposite Aldgate East Station Phone B18 6751 (3 lines)

Branches: DEPTFORD, S.E.8; WOOLWICH, S.E.18
CLAPHAM, S.W.11

What the Grower knows...

INSECTICIDES, Fungicides and Fertilisers used by the Commercial Grower just have to be right—depending as they do on their performance for his livelihood, he knows he can rely implicitly on products from **Monro's of Covent Garden**. Recommend to your customers the well-known 'Monro's' Brand preparations used for years by leading market growers and now available to every amateur gardener. Remember too, that 'Monro's' products are backed by a first-rate horticultural advisory service.

Write us now about stocks.

You **KNOW** you can rely on

Monro's

OF COVENT GARDEN

Write to Technical Dept.:

GEO. MONRO LTD., Waltham Cross, Herts.

TAS/GM.33

THE MOST
EFFECTIVE
LIQUID
EVER
PRODUCED

Nomo-Flas
REGD. NO. 615447
CERTAIN DEATH TO
FLIES, MOTHS
AND ALL
INSECTS



LARGE SIZE
BOTTLES TO
RETAIL AT

2/-

A SCIENTIFICALLY
PREPARED PRODUCT
UNEQUALLED BY ANY
ON THE MARKET

IT'S A "NOMO" PRODUCT
YOUR GUARANTEE

Order your supplies early to avoid
disappointment

Manufactured by

LEWIS (IMPORT & EXPORT) LTD.
38 GREAT PORTLAND STREET, LONDON, W.1

Agents Wanted

"INSECTO" THE MOST EFFICIENT
INSECTICIDE OBTAINABLE.

KILLS BEETLES, COCKROACHES, CRICKETS
ANTS, and all Household Insects.

RETAIL PRICES 1/- per 3 oz. Size.
1/9 per 6 oz. Size.

All r SPRINKLER Boxes.

TRADE TERMS LESS 30% AND PLUS 5%
CASH IN ONE MONTH.

Carriage Paid.

INSECTO MANUFACTURING Co.
28 Elmsmere Road, Burnage, Manchester, 20

ESTABLISHED 1793

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

The Best and Safest Infants' Medicine of
150 years' standing

Does not contain any Scheduled Poison

ROBERT BARKER & SON, LTD.
13 WESLEY ST., C. on M., MANCHESTER

**We're telling more mothers
about**

'KEPLER'

TRADE MARK

COD LIVER OIL WITH MALT EXTRACT

this winter



This winter 'Kepler' will again be advertised extensively. Sunday papers, women's magazines and national weeklies will between them carry millions of advertisements to remind mothers that the men and women of tomorrow need 'Kepler' today.

'Kepler' still retains its high, pre-war standards of quality unchanged and at its new, reduced prices the demand will be greater than ever.

Send in your order NOW and so make sure of meeting the big, seasonal demand.

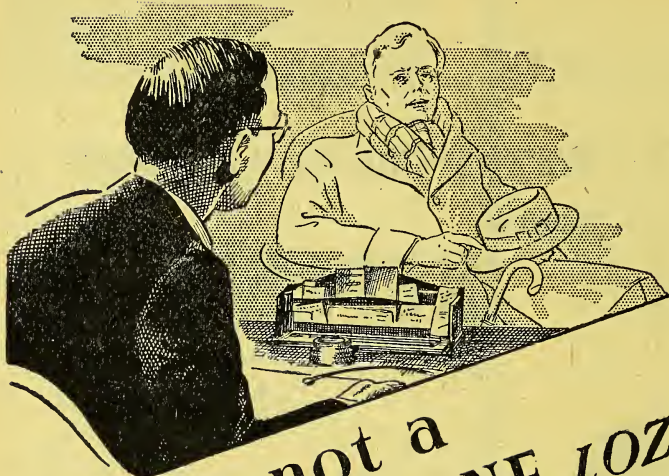
NEW PRICES 5/9 and 3/3 *(Subject to trade discount)*



BURROUGHS WELLCOME & CO.

(The Wellcome Foundation Ltd.)

LONDON



Why not a NUPERCAINE LOZENGE?

In the treatment of painful conditions of the mouth and throat, the prolonged anæsthesia of the mucous membranes produced by

NUPERCAINE LOZENGES

has proved most efficacious in alleviating the discomfort of sore throat and aphthæ and in allaying post-tonsillectomy distress. They also facilitate pharyngeal and laryngeal examinations.

Boxes of 15 and bottles of 100 Lozenges each containing 1 mg. Nupercaine.

Supplies through usual channels.

A BRITISH PRODUCT



THE LABORATORIES, HORSHAM, SUSSEX.

Telephone: HORSHAM 1234.

Telegrams: CIBALABS HORSHAM.

The CHEMIST AND DRUGGIST

For RETAILER — WHOLESALE — MANUFACTURER

Published Weekly at

28 ESSEX STREET, STRAND, LONDON, W.C.2

Telegrams: "Chemicus, Estrand, London"

Telephone: Central 6565 (10 lines)

Emergency Address:

17 ARGYLE STREET, BATH

Telephone: Bath 5492

CONTENTS

	Page		Page
American Notes	368	Marriages	373
Births	373	Miscellaneous Inquiries	390
"C. & D." Quiz No. 38	372	News in Pictures	375
Coming Events	374	Parliamentary News	371
Company News	371	Personalities	373
Commons Questions on Rubber Teats	383	Pharmaceutical Society of Great Britain: Council Meeting	377
Correspondence	390	Special Meeting	376
Deaths	373	Topical Reflections	369
Editorial Articles:—		Trade Marks	374
The Society's Annual Meeting	379	Trade Notes	372
A Point of Honour	379	Trade Report	388
Workmen's Compensation	380	Tropical Diseases and Treatment	384
Paregoric	380	What Birmingham Thinks of N.H.S.	382
Industrial Injury Insurance	381	World Shortage of Edible Oils	386
Legal Reports	370		

NEWS OF THE WEEK

Blackcurrant Syrup and Purée.—The Ministry of Food states that, in a recent notice concerning blackcurrant syrup and purée (*C. & D.*, September 16, p. 288), the green ration book number should have been given as R.B.2 and not as stated. Reference to the children's ration book was not intended to imply that only holders of these ration books are entitled to blackcurrant syrup and purée. The intention is that invalids or any member of the public who is in need of vitamin C shall be able to get supplies.

Pharmacy Students and National Service.—The Ministry of Labour and National Service has informed the Pharmaceutical Society that the reservation of men students is no longer conditional upon their performing part-time national service in the Senior Training Corps, Home Guard, etc., and that the necessary amendments to the Schedule of Reserved Occupations will be made in due course. It will still be open to students to enter a pre-Service Training Unit, where the training they thus receive

is of advantage when they come to join the Forces.

Statutory Committee.—The Statutory Committee of the Pharmaceutical Society will meet at 17 Bloomsbury Square, London, W.C.1, at 2 p.m. and 10.30 a.m. respectively on October 11 and 12 to consider information and evidence received by the Committee from which it appears that: 1, two corporate bodies were convicted of offences under the Pharmacy Acts; 2, by reason of the facts leading to the above convictions a superintendent pharmacist and a director respectively were guilty of misconduct; 3, a member of the Society was convicted of offences under the Dangerous Drugs Act; and 4, a member of the Society was convicted of counselling and procuring others in the unlawful use of an instrument to procure miscarriage.

Olive Oil.—The Ministry of Food announces that, on and after October 15, olive oil will be supplied to chemists without a permit, and it will be unnecessary

for further applications for buying permits to be made to Oils and Fats Distribution Officers on Form O.F. 235. Orders should simply be placed with suppliers. Olive oil must still be sold only to holders of a prescription issued by a qualified medical practitioner; it must not be sold for any other purpose, nor used in compounded preparations. The increased supplies of olive oil recently made available for distribution should be sufficient to meet the whole of the requirements of prescription-holders, and no supplementary allocations of arachis oil will be made.

Travellers' Schools Appeal.—The board of management of the Royal Commercial Travellers' Schools is appealing for a final expression of support to its 1944 maintenance appeal, which closes on December 31.

Rubber Study Group.—The British Government has announced its decision to participate in an informal Rubber Study Group composed of representatives of the Governments of the Netherlands, United Kingdom, and United States.

Edinburgh Provident Dispensary.—During the twelve months covered by the annual meeting held recently there were 7,141 attendances on patients either at their homes or at the Edinburgh Provident Dispensary (some 259 more than in the previous year).

Crosby Pharmacists' Officers.—At the annual meeting of the Crosby Pharmacists' Association, held on September 28, the following officers were elected: *President*, Mr. D. Rich; *Vice-president*, Mr. A. Durrant; *Treasurer*, Mrs. Wilkinson; *Secretary*, Mr. Fred Fleetwood, 177 College Road, Crosby, Liverpool, 23.

Doctors Wanted for Germany.—An urgent appeal for doctors to work in Germany is being made by the United Nations Relief and Rehabilitation Administration through the medical Press. It is hoped to recruit from Great Britain and Northern Ireland fifty chief medical officers for assembly centres and ten doctors for flying squads.

Eire Election Results.—The following candidates have been returned to the Council of the Pharmaceutical Society of Ireland as a result of the election held recently. The names are given in order of voting:—Meagher, F. X.; Fullam, P. J.; McGrath, P. F.; O'Neill, G. C.; McKane, N. A. P.; Power, Maurice; Robinson, Sir T.

Red Cross Cheque.—A cheque for £3,059, proceeds of a gymkhana and horticultural show organised by Boots Pure Drug Co., Ltd., Nottingham (see *C. & D.*, September 23, p. 313), is being handed over at the London offices of the company to Mr. R. W. Haddon, C.B.E. (chairman of the Red Cross Horticultural Fund), by Lord Trent (chairman of the company).

Industrial Design.—Following a recommendation by the Federation of British Industries (see *C. & D.*, September 30, p. 341) the Government has announced its intention of setting up a new organisation, one of whose functions will be to further improvements in the design of everyday articles. The new body will have greater scope and powers than have been possessed by the existing Council of Art and Industry. One of its preoccupations will be to set up design centres for industry.

Additions to Trading "Black List."—A new Order made by the Board of Trade contains changes in the "black list" of traders abroad with whom it is unlawful to have dealings of any kind. Copies of the Order—the Trading with the Enemy (Specified Persons) (Amendments) (No. 12) Order, 1944 (S. R. & O., 1944, No. 1104)—may be obtained, price twopence, from H.M. Stationery Office, Kingsway, London, W.C.2. Persons owing moneys to, or holding or managing the property of specified persons, are reminded that they are under statutory obligation to report particulars to the Custodians of Enemy Property.

Indian Scientists' Visit.—It is now expected that the distinguished Indian scientists who are shortly visiting this country (see *C. & D.*, April 29, p. 458) will arrive about the second week of October and stay in England about seven weeks. During this time they will visit scientific laboratories and industrial, medical and agricultural research institutions in and near London, in the Midlands and North of England, and elsewhere in the United Kingdom; they will also discuss modern scientific progress with such bodies as the Royal Society, the Department of Scientific and Industrial Research, and the Medical Research Council. The plans for the visit are being prepared by a small committee consisting of representatives of the Royal Society, the British Council, and the Department of Scientific and Industrial Research.

Chemist Bowlers Beaten by Grocers.—The annual competition between the Glasgow

Pharmacy Club (bowling section) and the Glasgow Grocers' Bowling Club took place at the Kingswood Green, Glasgow, on September 19. Each side provided four rinks. The result was a win for the grocers, who finished twenty shots up. Each of the winning teams receives a 16-oz. jar of Invalid Bovril, and the skip holds the cup for one year. The highest rink on the chemists' side was composed of Messrs. J. W. Todd, J. Climie, J. Menzies, and A. W. Calder (skip), who received shaving brushes presented by Mr. F. Baillie (president of the chemists' club). Mr. Arthur J. Gibson (manager in Scotland for Bovril, Ltd.) presented the cup and prizes to the winning team, and Mr. F. Baillie handed over the prizes to the highest-up on the losing side. A surprise presentation was a pack of playing-cards to each member of the club.

Chemical Workers' Union.—The adjourned annual meetings of the Chemical Workers' Union were held on September 30 and October 1, when the seventeenth biennial report of the National Executive Council, relating to the period ended December 1943, was presented. The report includes a paragraph deprecating the action of three general labour trade unions in "scrambling for membership" in the chemical industry. The Joint Industrial Councils in the chemical industry, in which, it is alleged, the general labour unions are at present dominant, include the Heavy Chemical, and Drug and Fine Chemical Joint Industrial Councils. The exclusion of the Chemical Workers' Union from these Councils is being challenged by the executive of the Union. One of the resolutions to come before the meeting was put forward by the national executive council in these terms: "This general meeting demands of the Government a close and more frequent inspection of all private and public dispensaries to secure higher standards of accuracy and cleanliness in preparation of drugs and medicines than exists at the moment, according to reports of the Ministry of Health and local medical officers."

Irish Drug Association.—Mr. Lyall G. Smith (president) was in the chair at the September meeting of the committee of the Irish Drug Association. The secretary reported the refusal of a request made from the Association to a manufacturer that a profit of 33½ per cent. should be allowed on all its proprietary medicines, the makers stating that such a course would conflict

with the Standstill Order. A reminder was again given to attach a slip complete with name and address on the inside of returned empty cases. A meeting between representatives of the Association and officers of the Pharmaceutical Society of Ireland on July 25 had resulted in a decision to form a committee of action to deal with makers who withheld certain veterinary preparations from pharmaceutical chemists; the committee was now negotiating with the firms concerned. A letter was read from the Mayo Pharmaceutical Association, supporting the committee in any action it might take in the matter. The attention of members was drawn to the correct prices for a proprietary ointment. Items the retail price of which is reduced may, it was pointed out, be sold at the former retail price if purchased by members before a reduction was made in the wholesale price. A subcommittee was appointed to consider a request that members should supply medicines according to agreed formulas at contract prices. A report giving the findings of the subcommittee is to be issued later.

Combined Food Board Reports to UNRRA.

—The Combined Food Board report to the Canadian, United Kingdom and United States members of the UNRRA Council, presented on September 19, in Montreal, surveys the food supplies that will shortly be available to liberated areas, together with prospective supplies for later requirements. It has not been possible to recommend allocations for the majority of commodities for 1945, pending a reasonably secure estimate of supply and demand. The report states that it is too early to forecast production prospects for oils and fats in the many important producing countries, but present prospects are of a decline in United States supplies of both animal and vegetable fats. Of the soap position the report states that it is important that facilities for oil seed crushing, hydrogenation and soap-making in the liberated areas themselves should be put into operation at the earliest opportunity. On the basis of dietary requirements notified by UNRRA, the Board recommends the allocation to liberated areas of 718.6 kilos of riboflavin and 28,745.6 kilos of ascorbic acid, covering in full the post-military relief requirements so far made known for these items. The Combined Food Board has received a figure of 1,512,000,000 units of vitamin A required, and is considering the making of an allocation recommendation.

AMERICAN NOTES

Alien Property Seized.—The United States Custodian of Alien Property has reported that, since America entered the war, more than \$375 millions' worth of alien-controlled property has been taken over and 30,000 alien patents have been made available to American industry.

Forethought for Rationed Citizens.—In order to make sure that users of ration tokens which, in the United States, have been manufactured from vulcanised rubber, are secure against allergic dangers, the U.S. Public Health Service undertook a series of patch tests to find out whether any sensitiveness to the material was to be expected. After tests during a period of over five months, the department reported that "tokens failed to irritate or sensitise skin in all those on whom they were tried."

Incorporating Vitamins in Pharmaceutical Products.—A process for incorporating vitamins A and D into aqueous pharmaceutical preparations is described in a recent United States patent, under which a fish-liver oil containing the vitamin is first saponified and the vitamin extracted by a suitable solvent to form a concentrate, from which constituents insoluble in methyl alcohol are removed at a temperature of -20°C ., and the methyl alcohol solution of the concentrate is then mixed with the aqueous liquid to be vitaminised.

Vitamins and Drugs.—The Attorney-General of the State of New York has ruled that vitamins, when listed in the United States Pharmacopœia or National Formulary, are drugs and can be sold retail only by drug stores, pharmacies, and stores registered under the State law. As 5,000 of the State's 29,000 grocery stores have been doing a substantial business in vitamin pills, tablets, drops, etc., the New York State Food Merchants' Association is bringing the matter before the State Convention, with a view to taking it to court. Vitamin manufacturers are taking no part in the controversy.

Two-term Year for Pharmacy Students.—With the autumn the Oklahoma University school of pharmacy is reverting to a working year of two terms, each of eighteen weeks' duration. The time-table for the "autumn" term, which continues into January 1945, is as follows: Beginning of freshman period, 1.30 p.m., September 5; consultation of students with advisers, September 7; registration of upper classmen, Septem-

ber 8, 9; registration of freshmen, September 9; classwork begins, 8.10 a.m., September 11; president's annual address, 10.10 a.m., September 12; Thanksgiving day (a holiday), November 30; Christmas recess begins, 5 p.m., December 21; classwork resumed, 8.10 a.m., January 2, 1945; terminal examinations begin, January 11; examinations end, January 17.

Hospital Coaches.—One hundred new, unit-type hospital railway coaches, each containing cooking and medical facilities, have been authorised for delivery to the Transportation Corps, Army Service Forces. Simultaneously, 120 regular ward and dressing cars are being converted into unit-type cars. The new unit-type car is designed to eliminate delays at junction points after the Army hospital train is broken up. The cars make possible the serving of both regular and special diets.

United States Commercial Company.—The United States Commercial Co., a United States Government corporation, has two major objectives: to assist in winning the war and, consistent with this objective, to aid American trade and industry as much as possible. Mr. Sidney H. Scheuer (executive director, Bureau of Supplies, U.S. Foreign Economic Administration) told commercial traders of the Overall Export Advisory Committee, on September 18, that the company initially had the function of buying strategic and critical materials abroad to prevent them from getting into enemy hands. That procurement programme had been substantially reduced as a result of Allied victories, and the major function of the U.S.C.C. now was to procure strategic and critical materials, such as quinine, vitally needed for the war programme. The U.S. War Production Board has announced that, after the defeat of Germany, it will be possible to make cuts in the foreign procurement programme for strategic and critical materials, although many will still be needed for continuing the war against Japan. Adjustment to the reduced procurement programme will be met in a way that prevents unnecessary financial loss to American taxpayers, preserves foreign relations, and strengthens the foundations for a higher level of international trade after the war. After the collapse of Germany, the U.S. Commercial Co. will try to get as much of U.S. trade as possible handled on a private basis.

TOPICAL REFLECTIONS

Forming an Alliance

You have clearly shown (p. 354) the desirability of early action on behalf of pharmaceutical interests in the matter of the proposed national health service, and have indicated what the next step should be. If the Council of the Pharmaceutical Society is harbouring any cobwebs on the subject of representation, I trust that it will get rid of them without delay. There is an educational basis for any negotiations that may take place, and this basis the Council is well qualified to look after; but there is also a commercial basis, and that basis the Council is not qualified to look after. Extremists may go so far as to claim that even the departmental stores and the co-operative societies can shelter under the folds of the Council's mantle; but reasonable people will agree that these classes, having only a minor interest in dispensing, had better be left to find other means of approaching (if they desire to approach) the Ministry of Health. The justice of your contention that the negotiating body should represent all classes of pharmacists likely to be engaged in dispensing when a new health service is established should be recognised and acted upon. When the time arrives for contact with the Government department concerned, those of its officials who are instructed to examine the proposals put forward by organised pharmacy will naturally ask, "With whom are we to deal?" If the answer to that question shows that less than the totality of pharmaceutical interests is represented by the delegacy, there is little doubt that the department will make full use of its pigeon-holes and go its own way without much regard for the facts and arguments presented to it.

"Social Insurance"

The issue of two Government White Papers within a week of each other (p. 353) means that many of your readers will have to put in overtime if they are to master the contents of these important documents. As reallocation of man-power was the subject of a comment in this section a fortnight ago, my present remarks are confined to the proposals for what is called social insurance. It would have been difficult to suppress a preliminary chuckle over the position of our few millionaires, who will no doubt instruct their respective secretaries to pay the weekly contributions demanded. As to the ordinary inhabitants

of the country, employers, employed, or retired, it must be recognised that provision on a sound actuarial basis for certain of the usual risks of life is worth paying for. It is obvious that the cost of peace-time government, when it arrives, will be high. When we consider the presumptive public expenditure on housing, education, health and the proposed social insurance, the total is formidable. To that estimate must be added other normal items on the debit side—national defence and the overgrown civil service, for instance. How is this bill to be met? Not, let us hope, by such economies as cutting down the small sums mentioned on pp. 84 and 85 of the White Paper on a national health service as "fees to general practitioners and payments to chemists," though that kind of cheeseparing is not unknown in exalted circles.

Chemist and Historian

Pierre Eugène Marcellin Berthelot, the author of an epigram discussed by me last week, was a scientist of such distinction that my brief mention of him must be expanded for the information of your younger readers. In 1859 he began a seventeen-years' tenure of the chair of organic chemistry at the Paris School of Pharmacy; in the following year his famous book on organic chemistry, with special reference to synthesis, was published. Later he became secretary of the Académie des Sciences, and though he never sought public honours, he was made a life member of the French Senate. His devotion to chemistry was conditioned by a profound appreciation of the importance of its historical background. Between 1885 and 1890 he wrote several books on the history of alchemy and chemistry up to the time of the French Revolution, for which task he carried out research at the British Museum, the library of the University of Cambridge, and various Continental institutions. This combination of high scientific achievement and historical erudition is rare. All who study the transition from alchemy to chemistry, beginning with classical Greece and ending with the work of Lavoisier, are indebted to him. Before his death in 1907 he had become a supporter of Monsieur and Madame Curie in their experiments in radioactivity. His influence in securing the widow's nomination to the post of her late husband is mentioned in the biography of her written by her daughter. **Xrayser**

LEGAL REPORTS

Pharmacist Director Wins Appeal.—The Court of Criminal Appeal on September 28 allowed an appeal by Richard George Mumford, M.P.S., against his conviction at Lewes Assizes on July 21 (see *C. & D.*, July 29, p. 108), and against his sentence of six months' imprisonment and fine of £15,000, with £500 costs, for offences against the Limitation of Supply Order. Mumford, as the managing director of H. A. & R. G. Mumford & Co., Ltd., manufacturing and wholesale chemists, Hove, alleged that the judge misdirected the jury on the question of burden of proof. His defence was a denial of knowledge of transactions by the company in breach of the Order. Mr. Justice Croom-Johnson said that, although throughout the case the prosecution accepted the position that the onus of proof was on the prosecution, the judge in his summing-up directed the jury to the contrary. It was wrong to say in substance that there was an onus cast upon the appellant of establishing his innocence. This misdirection amounted to a fundamental deficiency in the trial, and in the Court's opinion the conviction could not stand. Conviction and sentences were accordingly quashed.

Methylic Alcohol in Wine.—At Old Street, London, police court, on September 22, the Golden Wine Co., Ltd., High Holborn, London, W.C.1, Harry Grunberg, Parliament Hill Mansions, N.W., and Eugen Junger, Stepney, were accused of removing wine with intent to defraud the King of duty; of selling methylic alcohol mixed with a beverage; and of possessing a beverage in the preparation of which methylic alcohol had been used. All the defendants pleaded guilty. The first summons related to an alleged evasion of duty on 145½ gallons of wine, the amount of duty being around £105, which had now been paid. Grunberg was stated to be a director and secretary of the company, receiving £8 weekly as director's fee. Junger, the wine maker, received £12 weekly; he had, up to 1940, been a Bible writer in various Glasgow synagogues and, whilst still in Glasgow, had been convicted of possessing an illicit still. About 3,000 gallons of the wine to which methylic alcohol had been added were on the company's premises, and had been destroyed, in view of its extremely dangerous quality. Some 200 gallons had been sold to a licensee. The company was fined a total of £475, with £26 5s. costs; Grunberg was

fined £340, with £26 5s. costs, and sentenced to three months' imprisonment; Junger was fined £325, with £26 5s. costs, and sentenced to twelve months' imprisonment. Junger and Grunberg gave notice of appeal.

Spraying Fluid as Perfume.—At Coventry, on September 27, Granville Slinn, 62 Hewitt Avenue, Coventry, was charged with failing to apply for registration as a wholesale merchant whose business included the sale of goods chargeable with purchase tax; with supplying controlled goods, consisting of four 8-oz. bottles of liquid, purporting to be perfume, which were received by him otherwise than as controlled goods, and in the manufacture of which he did not carry out a process; and finally of selling 4 gall. of the liquid. It was alleged that advertisements seeking agents to sell water- and oil-soluble perfumes, producing £15 to £20, were inserted by Slinn in the "Exchange and Mart" and also in "The World's Fair." Inquiries showed that in the course of his business from March 1941 till December 1943, Slinn had a turnover of £3,257. This included considerable sales of perfumery, amounting in 1943 to about £2,700, which was subject to 100 per cent. purchase tax. Answering a reply to the advertisement in "The World's Fair," Slinn said he was an agent for W. J. Bush & Co., Ltd., London, and was paying purchase tax to them. While it was true that defendant did deal with this company, said the prosecution, his reply did not disclose the fact that he had for a long time been carrying on a considerable trade in perfumery. He had for a time been agent for spraying fluids, which he seemed to have turned into perfumes, but had never stated that he was carrying on a perfumery business. Defendant denied that he had labels for perfumery printed. He then read a statement in which he defined the article as an "antiseptic spray," adding that anyone smelling it could not mistake it for perfume. The Bench, after retiring, found the Customs and Excise case proved, but deferred their decision until hearing the remaining cases. On the second charge, Slinn was stated to have bought spraying fluid at £3 per gall., which he bottled, labelled as perfume, and sold at 20s. per 8-fl. oz. bottle, equalling £20 per gall., and representing a gross profit of 435 per cent. He was fined £25 on the first charge and £250 on the second, with £37 14s. costs. The third charge was withdrawn.

COMPANY NEWS

LOWLAND CHEMICALS, LTD. (P.C.).—Capital £1,000. Chemical manufacturers, dyers, etc. Fred Nettler, director. R.O.: 28 Queen Street, Glasgow.

SPINNEY CHEMICAL CO., LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in chemicals, drugs, toilet requisites, etc. Harry Lubbock and Gerald J. Winter, directors. R.O.: 7 Endsleigh Court, Upper Woburn Place, London, W.C.1.

NORTH-WESTERN LABORATORIES, LTD. (P.C.).—Capital £5,000. Technical, industrial, analytical, pharmaceutical and manufacturing chemists, etc. William Crossley, Bernard C. Houlden and Harold Hoyle, directors. Solicitors: Skelton & Co., 90 Deansgate, Manchester.

CLINICAL PRODUCTS, LTD.—Mr. E. R. C. Ashby has been elected chairman of directors of the company. Mr. Ashby has been associated with the advertising and marketing of the company's products from its inception.

PHILIP HILL GROUP.—Mr. J. Stanley Holmes, M.P., chairman of Beechams Pills, Ltd., has been appointed chairman of Veno Drug Co., Ltd., Beecham-Maclean Holdings, Ltd., and Prichard & Constance (Manufacturing), Ltd., in place of the late Mr. Philip E. Hill. Mr. J. Stanley Holmes is also chairman of other companies in the group (*C. & D.*, September 16, p. 290).

ASPRO, LTD.—Directors' report for the year ended June 30 shows a higher trading profit at £292,912, against £278,701 in the previous year. Net profit for the year is £275,840, against £267,720. Income tax calls for £165,000, against £155,000; general reserve, £30,000, against £25,000. Total distribution on the ordinary stock is again 25 per cent.; carry forward, £24,902.

EXPORT MERCHANTS' GUARANTEE CO., LTD.—This company, limited by guarantee, has been formed under the auspices of the National General Export Merchants' Group for the purpose of handling stocks of goods which may become available through the Board of Trade for current supply to certain Middle East territories. The company will be asked to purchase and hold such goods until the Board of Trade can designate the particular territory and the names of the consignees in such territories to whom licences have been granted. The company will not undertake business which can be handled in the normal way by individual firms. Membership is open to general

export merchants, who must have been exporting to one or more of the following territories: Aden, Cyprus, Cyrenaica, Egypt, Eritrea, Ethiopia, French Somaliland, Iran, Iraq, Lebanon and Syria, Palestine and Transjordan, Saudi Arabia, Sudan and Tripolitania. In all cases members are required to provide a banker's guarantee for a minimum unit of £2,000. General export merchants have found, on frequent occasions, that the export of goods which they normally handled has been conducted on a Government-to-Government basis, or through Government agencies, to the exclusion of the export merchants. The Export Merchants' Guarantee Co., Ltd., aims to provide an organisation capable of financing transactions and to secure for its members the opportunity to participate in approved cases in trade which must, during abnormal conditions, still be conducted under special arrangements. The registered offices of the company are at 69 Cannon Street, London, E.C.4.

PARLIAMENTARY NEWS

Closing Hours for Shops.—In reply to a question on September 26 regarding closing hours for retail shops, the Under-Secretary for the Home Department (Mr. Osbert Peake) said the question of what was the most effective and speedy method of exploring the issues involved was now under consideration.

Supply of Combs.—Sir W. Edge asked the President of the Board of Trade on September 26 whether he was aware of the continuing shortage of combs for women; and whether he proposed further to increase the supply. Mr. Dalton replied that as many combs were being sold as before the war. He was doing all he could, with the labour and materials available, to increase supply and improve quality.

Essential Oils Control Scheme.—The Minister of Food stated in the House of Commons on September 26 that the number of firms participating as importers or merchants in the scheme for regulating the importation and distribution of essential oils varied according to the kinds of oil available and the countries from which imports were received. At present about 300 firms were operating in these capacities. Some thirty different manufacturing industries were represented in the scheme as users of essential oils.

TRADE NOTES

Backache Pills.—Constant demand is reported by the manufacturers for Jordan's pills for backache, lumbago, rheumatism, and sciatica. Supplies are available through usual wholesalers.

Imperial-Metric Measures.—Attention is directed by Actina, Ltd., 19 Woodstock Street, London, W.1, to their Combination fl. oz.-c.c. measures, with Easiseen graduations, which are available in six sizes.

Used Containers Bought.—The Container Reclamation Co., Ltd., 21 Wellington Road, London, N.W.8, offer to buy redundant stocks of tins, bottles, drums, and other containers, samples and details of which should be sent to the company.

Agency Resumed.—Meggeson & Co., Ltd., London, S.E.16, have again taken over the selling agency for Beaucaire dry cleaner, which was suspended in August 1943. Orders may be handed to the company's representative or sent direct.

Globin Insulin with Zinc.—The joint licensees and manufacturers of A.B. brand globin insulin with zinc (Allen & Hanburys, Ltd., London, and The British Drug Houses, Ltd., London) state that this product is available in 5-c.c. vials (40 units and 80 units per c.c.).

Injection Therapy.—Duncan, Flockhart & Co., Edinburgh, draw attention to Steriject-Duncan, a method of presenting medicaments for hypodermic use that is always ready for use, of complete sterility and accurate in dosage. Terms are given in an announcement in this issue.

Two Strengths Now Available.—Menley & James, Ltd., 123 Coldharbour Lane, London, S.E.5, state that Ovendosyn is now available in two strengths, a new tablet, Ovendosyn Forte, having been introduced, which consists of stilbæstrol, 5 mgm. and calcium phosphate, 3.25 mgm. in each tablet. Terms are given elsewhere in this issue.

Price List.—Wright, Layman & Umney, Ltd., London, have issued their October price list of chemicals, drugs and pharmaceutical preparations. The list is interleaved with blank paper for notes, and the items are marked with key-letters to indicate the regulations under which they can be sold. A copy will be sent on receipt of request accompanied by a penny stamp.

Prices Approved.—The Central Price Regulation Committee has approved a scale

of prices for Permaheat electric blankets and pads manufactured by Permavon Ltd., 11 Stevenson Square, Manchester, and prices for sanitary towels manufactured by Lintafelt, Ltd., Resiliency Works, Louisa Water, High Wycombe, Bucks. Details may be obtained from the makers.

Greetings to Overseas Customers.—Ayton, Saunders & Co., Ltd., 34 Hanover Street, Liverpool, 1, state that the volume of their seaborne trade is greater than ever previously, but governed by the needs of the Forces. The directors send greetings to overseas friends, with an assurance that at the earliest opportunity their service will be switched over to peace-time requirements.

Wetting Agent.—Valuable cleansing and degreasing properties are claimed by Watford Chemical Co., Ltd., 50 South Audley Street, London, W.1, for Sulphosal, highly concentrated surface-active detergent and wetting agent based on sulphate fatty alcohols. The product is stated to be unaffected by hard water; it acts as an auxiliary emulsifier by reducing interfacial tension. Sulphosal is available in liquid and powder forms.

Business Changes

RETAIL LICENCE APPLICATIONS.—Miss Catherine Strang, to acquire the business formerly carried on by Mrs. Margaret Tough Greenside Dispensary, Strathaven, and to continue at that address the sale of photographic goods and accessories, drugs, medicines and toilet goods.

Proprietary Articles Trade Association

Alterations to Protected List.—*Musterole Fine Products Co., Ltd.*, distributors: *Thomas Christy & Co., Ltd.*, Musterole brand mustar ointment, bonus terms: Each complete on doz. will be invoiced as eleven pots at standard wholesale price of 22s. 6d. doz., plus purchase tax on complete dozens.

C. & D. QUIZ, NO. 38

1. What is Jamaica pepper?
2. What is Stockholm tar?
3. Who discovered nitrogen trichloride?
4. Who was the Society's first librarian?
5. What is *dl*-beta-[3: 5-diiodo-4-(3': 5'-diiodo-4'-hydroxy phenoxy) phenyl] alpha aminopropionic acid?
6. What is cirussa?
7. What is Oliver's bark?
8. What is ceratum galeni?
9. What pharmacist took an active part in procuring the abolition of slavery?
10. Who discovered amyl nitrite?

(Answers on p. 389)

BIRTH

JACK.—At Heathbourne Road, Bushey Heath, Herts, on September 16, Vera, the wife of A. M. Jack, M.P.S., of a son.

MARRIAGES

BARCLAY—BEATH.—At Craigencaft farm, Kinghorn, on September 25, James Williamson Barclay, M.P.S., 307 High street, Cowdenbeath, Fife, to Annie O. S. Beath, Kinghorn.

MACARDLE—CORBETT.—At Mount Melary, on September 7, Captain Vincent MacArdle, Corps of Engineers, to Aine Corbett, daughter of Mr. John Corbett, M.P.S.I., the Medical Hall, Mitchelstown, Co. Cork.

DEATHS

CALVERT.—On September 22, Mr. John Calvert, 1 Fernbank Road, Bradford, aged seventy-three. Mr. Calvert qualified as a chemist and druggist in 1893 and as a pharmaceutical chemist later in the same year.

GRIFFITH.—On September 22, Mr. Leonard John Griffith, M.P.S., 30 Clarendon Road, Redland, Bristol. Mr. Griffith qualified in 1903. He was in business in Wokingham, Berks, for twenty years, retiring in 1931.

HENSMAN.—At 4 Westover Road, London, S.W.18, on September 28, Mr. Leonard Newton Hensman, Ph.C., aged sixty-five. Born on May 28, 1879, Mr. Hensman qualified as a chemist and druggist in 1901, and as a pharmaceutical chemist in 1903. In 1902 he took up employment as an assistant with John Bell & Co., 225 Oxford Street, London, and on the formation of John Bell, Hills & Lucas, Ltd., in 1909, he was appointed manager of the company. In 1922 he became a director, and for many years represented the company as chairman and a member of the committee of the Wholesale Drug Trade Association. Mr. Hensman, an active member of the Congregational Church, is survived by a widow, a daughter and a son.

HUMPHREYS.—On September 17, Mr. Sidney Humphreys, M.P.S., 20 Norman Road, Hove, aged sixty-eight.

SCOTT.—On active service, recently, Flying-Officer John Owen Scott, M.P.S., R.A.F., 5 Milton Street, Edinburgh, 8. Flying-Officer Scott qualified in 1939.

WITHNALL.—On September 9, Mr. Nahor Withnall, M.P.S., 160 Ellor Street, Pendleton, Manchester, aged sixty-eight.

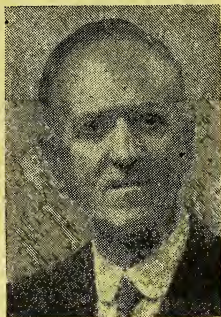
PERSONALITIES

CAPTAIN WILLIAM HOLDEN, son of Alderman Ben Holden, M.P.S., Victoria Street, Blackburn, is reported to be in good health as a prisoner of war at a hospital at Obermassfeld, Germany, where he is understood to have been doing x-ray and surgical work.

COUNCILLOR ERNEST ALFRED NEILL, M.P.S., Colwyn Bay, Denbighshire, has accepted an invitation to be Colwyn Bay's next mayor. Mr. Neill has been in business in Colwyn Bay for forty-one years, is chairman of the Conway and Colwyn Bay Joint Water Board, of the Borough Health Committee, and vice-chairman of the Finance Committee.

MR. W. B. FLETCHER, who recently retired from his position as secretary and

a director of Thomas Morson & Son, Ltd., fine chemical manufacturers, London, has seen many changes in the trade since the time when, on January 16, 1893, he joined the organisation as a junior clerk. Mr. Thomas Morson (grandfather of the present generation) was then the sole



proprietor of the business. The offices were in Southampton Row, London, W.C., and the works were at Homerton, E. Many distinguished figures visited the offices in Southampton Row, and as a youth Mr. Fletcher frequently saw Lord Lister and Mr. W. Martindale passing in to consult the principals. In those days frock coats and silk hats were universally worn by city business men, while in the offices letters were still being duplicated in hand copying-presses, while filing systems were of the crudest. Wages were universally low, and hours of business long, but despite handicaps Mr. Fletcher contrived to put in five years as an evening student in chemistry at the City and Guilds of London Institute, Finsbury, under Professor Meldola, and later in accountancy at the London School of Economics under Professor Dicksee. After passing through the company's warehouse and counting-house, Mr. Fletcher became secretary of the business upon its conversion into a limited company in 1915; he was made a director in 1942.

COMING EVENTS

Sunday, October 8

MANCHESTER PHARMACEUTICAL ASSOCIATION. Ramble to Chinley, Mam Tor and Hope. Meet Central Station, 8.30 a.m. Book Hope return. Inquiries to W. Edwards, Old Trafford.

JUNIOR BRANCH, MANCHESTER PHARMACEUTICAL ASSOCIATION, International Club, George Street, Manchester, at 3 p.m. Addresses on "Pharmaceutical Employee Organisation" by speakers from the Association of Pharmaceutical Employees, National Pharmaceutical Union Employees' Union, Association of Scientific Workers, and National Union of Distributive and Allied Workers.

Monday, October 9

ROMFORD BRANCH, PHARMACEUTICAL SOCIETY, Market Room, Golden Lion Hotel, Romford, at 7.30 p.m. Mr. Hugh N. Linstead, O.B.E., M.P., on "The Pharmacist and the National Health Service."

Wednesday, October 11

IRISH CHEMISTS' GOLFING SOCIETY, Elm Park Golf Club, co. Dublin. Competition for trophies presented by Kodak, Ltd., and Northam Warren, Ltd.

MANCHESTER BRANCH, GUILD OF PUBLIC PHARMACISTS, St. Mary's Hospital, Whitworth Street, at 6.30 p.m. Mr. L. Hazelgrove, M.P.S., on "Book-keeping and the Hospital Pharmacist."

Thursday, October 12

BRADFORD BRANCH, NATIONAL PHARMACEUTICAL UNION, County Restaurant, Bradford, at 7.30 p.m. Annual meeting.

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Metropole Hotel, Leeds, at 7.30 p.m. Mr. Trefor Davies, B.Sc., F.I.C., on "Dehydration of Milk: A Chemical Engineering Problem."

SOMERSET BRANCH, NATIONAL PHARMACEUTICAL UNION, Castle Coffee House, Taunton, at 3.15 p.m. Discussion on agenda for forthcoming Pharmaceutical Committees' and National Pharmaceutical Union Branch Representatives' Conferences.

Friday, October 13

FINCHLEY DIVISION, NORTH LONDON PHARMACEUTICAL ASSOCIATION, Public Library, East Finchley, N.2, at 7.45 p.m. Mr. Percy Harris, F.R.P.S., on "Post-war Developments in Photography."

ASSOCIATION OF AUSTRIAN ENGINEERS, CHEMISTS AND SCIENTIFIC WORKERS IN GREAT BRITAIN, Austrian Centre, 69 Eton Avenue, London, N.W.3, at 6.45 p.m. Mr. J. Coutts, Ph.D., Ph.C. (chief pharmacist, St. Bartholomew's Hospital) and Dr. Medwei on "Therapeutics in Austria and Great Britain."

Saturday, October 14.

ASSOCIATION FOR SCIENTIFIC PHOTOGRAPHY. Caxton Hall, Westminster, at 2.30 p.m. Mr. H. Emmett, F.R.P.S., on "Cinicrography of Crystal Growth," and Mr. P. McV. Weston, M.A., on "Cinicrography in Biological Research."

TRADE MARKS

(From "The Trade Marks Journal," September 20)

"RESINUM"; for industrial chemicals, with base of natural or synthetic resin (1). natural or synthetic resinous material being substitutes for indiarubber, etc., and articles made therefrom (17). By Lo Temperature Carbonisation, Ltd., Coalit Works, Gawber, nr. Barnsley. 623,951, 628,669 (Both Associated).

"KRIM"; for perfumes, cosmetics, toilet preparations, etc. (3). By Koray, Ltd., 5 Gamage Buildings, Holborn, London, E.C. 4. B629,047.

"BRIL-JON"; for brilliantine and toilet preparations made therefrom (3). By Amovon Ltd., Wymbro Laboratories, Southfield Lane, Bradford. 629,170.

"ENITA"; for toilet preparations (3). By G. S. and M. A. Enderby, 19 Hesketh Drive, Southport. 629,472.

"HANDYPLAST"; for dressings for wounds (5). By Herts Pharmaceuticals, Ltd., Bessemer Road, Welwyn Garden City, Herts. B621,37 (Associated).

"ALCIN"; for pharmaceutical preparations for digestive ailments (5). By R. Vickers, 18 Rice Lane, Liverpool, 9. 628,191.

"COLLAX"; for laxatives (5). By Grant Laboratories, Ltd., 108 Mortlake Road, Kew, Surrey. 629,565.

"SLIPPAKO"; for combs, etc. (21). By I. Bluston, 6 Leaside Road, London, E. 15. 630,111.

"FARALOSE"; for maltose sugar and syrup, starch for food, invert sugar, and sugar (30). By Advance Technochem, Ltd., 37 English Street, Carlisle. 624,761.

"STAG" (with device of same); for salt for food (30). By Saxa Salt Co., Ltd., Greatham Billingham-on-Tees, Durham. 628,706.

"ESCOYA"; for all goods (30). By F. W. Hampshire & Co., Ltd., Sunnydale Works, Sinfen Lane, Derby. B629,183 (Associated).

"BUTYREX"; for flavouring for food (other than essential oils) (30). By Scottish Flavours & Colour Co., Ltd., Mayfield Works, Ratcliffe Terrace, Edinburgh. 629,763.

"KLUX"; for essence of peppermint, peppermint spirit, etc. (33). By Booth & Co., Longfield Works, New Street, Idle, Bradford. 629,386.

(From "The Trade Marks Journal," September 27)

"MAYPOLE" for natural resins, etc. (2). By Mayfield Brothers, Ltd., Sculcoates, Hull. 628,987 (Associated).

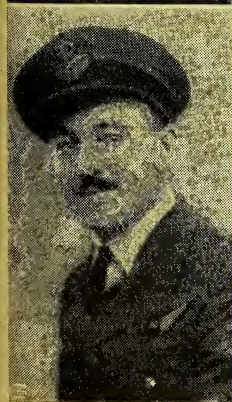


NEWS IN PICTURES

1. CAPTURED MEDICAL SUPPLIES. Dumps of medical supplies abandoned by Japanese and taken by American coast-guards on Blak Island, in the Pacific. 2. Air Fitter J. E. Rackley, Fleet Air Arm (previously secretary, the Gardner Co., Ltd.). 3. Pilot-Officer C. Higgs, R.A.F. (previously London representative to the company). 4. MANUFACTURE OF TITANIUM DIOXIDE. Preparation of rutile crystals of titanium dioxide, instead of the anatase form, by the American Krebs Pigment & Colour Corporation, results in a product of enhanced whiteness. The rutile form adds 25-33 per cent. covering power to the compound. Picture shows pile of ilmenite, a fine black sand from which the titanium dioxide (*right*) is obtained.



2



3



4

PHARMACEUTICAL SOCIETY SPECIAL MEETING

A SPECIAL general meeting of the Pharmaceutical Society was held at 17 Bloomsbury Square, London, W.C.1, on September 28, to consider a motion in the name of Mr. W. Atkinson and backed by the necessary thirty members of the Society. The motion proposed to alter the Society's rules so that the annual general meeting should be held at noon, as usual, but that, after the appointment of scrutineers, it should be adjourned until 7.30 p.m. of the same day, at which time the remaining business should be transacted.

MR. F. G. WELLS (president) occupied the chair, and said the meeting was something new in the annals of the Society. After Mr. Atkinson had moved his resolution and it had been seconded, Mr. H. A. Robinson would move as an amendment "That the Council be asked to prepare a report upon the advisability of constituting an annual representative meeting, which would replace the present annual general meeting and the branch representatives' meeting, and upon the steps necessary to give effect to such a change." THE PRESIDENT pointed out that, as no general meeting could be bound by a decision of a previous general meeting, it followed that the passing of the motion would not necessarily have the desired effect. The Council of the Society, however, which had the duty under the by-laws to arrange the order of business at an annual meeting, would, of course, give careful consideration to the discussion and its outcome.

The Motion

MR. ATKINSON, presenting the motion, said that in spite of the president's statement that the passing of the motion would not necessarily have the desired effect, he was sure that the Council, under the president, would not desire to go against the wishes expressed at that special general meeting of members. He had no doubt that the annual general meeting was intended originally as a check upon the powers of the Council, but at present members had no means of imposing their will upon the nationally-elected Council, owing to the impossibility of their attending the annual general meeting at the hour at which it was held. As a result the Council had become, however benevolent its intentions, a dictator body, which was the surest way of encouraging apathy and of killing the most vigorous organisation.

He had had no difficulty in securing,

from multiple and private proprietors, non-proprietors and from members in hospitals, signatures for the meeting to be called. The only refusal had come from a member who, while in hearty agreement, could not sign because he knew that the directors of his firm did not encourage its employees to engage in politics. Although great events were happening, it was extremely difficult at present to learn the views of branches.

MR. T. REID, seconding the motion, said that the time of the annual general meeting, although not specifically stated on the Charter, was founded on the convenience of members of a hundred years ago. Then the hour of noon was ideal, and most of the members were in the London area. But members had increased in number and were distributed throughout the country, and the requirements of the Pharmacy Acts made it impossible for more than a fraction of the members to attend an annual general meeting at the existing hour. The motion represented progress and, if carried, would make possible a much larger attendance at future annual meetings. He felt sure the Council would welcome such a change as a safety valve, and if members had a criticism they would have an opportunity of putting it. If the motion was carried, members would appreciate better the difficulties of the Council, and greater understanding between the Council and members would result. Never was there a time when greater unity was needed nor greater interest shown in the Society. Yet that interest was tinged with a slight feeling of frustration, and if attendances could be multiplied by ten or twenty times, or more, they would find suggestions to help them guide the affairs in true accord with the needs of their members.

A MEMBER asked if the amendment to be moved was not, in effect, a new motion, but the chairman ruled that it was a relevant amendment.

The Amendment

MR. ROBINSON then moved his amendment, proposing an annual representative meeting instead of the annual general meeting. He thought that the calling of the special general meeting had been ill-advised, as such a meeting should only be held in a special emergency, to deal with a matter that could not wait until the annual general meeting. The question dealt with in the motion was not urgent and

should not be called at that time. It was not so much the time of the annual meeting that was at fault, but its character. They now had a branch organisation, and the annual meeting should not be for individuals but more of a delegate meeting. If they had delegates then a meeting at about 2 p.m. would be more convenient.—Miss CORNELIUS seconded the amendment.

MR. HAYLOCK said that, while no time was ideal for meeting the convenience of all members, an evening meeting was preferable to an afternoon one. They should have a clear vote on the motion and ignore the amendment.

Opposition to Amendment

MR. BLACKWELL said he was opposed to the amendment because he did not want anyone to take away from him the right to attend an annual meeting personally. He supported the purpose of the resolution, although he was not in sympathy with the actual wording. If changing the time to the evening was going to get a better expression of the views of individual pharmacists they ought to support the motion. The attendance at that special meeting—called in the evening—was an indication that the annual meetings would be better attended if held in the evening.

THE SECRETARY (Mr. Hugh N. Linstead, M.P.), replying to a question, said that the time of the annual general meeting was fixed for practical purposes by the Pharmacy Act of 1898, which said that voting papers had to be delivered by twelve noon on the day of the annual meeting. The annual meeting also had to appoint scrutineers, so that there must be one meeting early in the day to appoint the scrutineers, in order that they could do their work and report the result in the evening.

MR. WILLIAMS thought there was a lot to be said for the amendment to appoint delegates from the branches to attend an annual representative meeting.

MR. DAVIS described the occasion as an historic one at which members had exercised their right under the by-laws. He thought the suggestion in the motion was reasonable.

MR. ATKINSON, replying to the discussion, thought the amendment was idiotic because a representative meeting could not be a general one. He did not want to change the by-laws but to make the Council do something that the membership wanted. He knew the decision could not be binding on the annual meeting "but it had better be binding."

MR. ROBINSON, who also replied, described the whole idea of a general meeting of 25,000 members as out of date. The annual meeting on an individual basis was not satisfactory. It would be much better to have representatives of branches.

THE PRESIDENT then put the amendment to the meeting and it was lost, only five voting for it.

The substantive motion was carried with two dissentients.

THE PRESIDENT said that the attention both of the annual meeting and of the Council would be called to the resolution that had been passed. He thought that one of the most hopeful signs in pharmacy was the interest that was being taken by the younger men now in it, and if they, as a Council, could further that interest they would do so. He would promise personally to do his best to have the motion received sympathetically by the Council.

Council Meeting

A MEETING of the Council of the Pharmaceutical Society was held in London on October 4, the president (Mr. F. G. Wells) in the chair. THE REGISTRAR reported that, since the previous meeting, 138 persons had been registered as apprentices or students.

MR. W. DEACON moved the minutes of the War Aid Committee, which were agreed to. MR. F. C. WILSON moved the minutes of the Organisation Committee. He said that, with regard to the Branch Representatives' meeting, 1944, it was recommended that, in view of the change in the war situation, the postponed meeting should now be held on Wednesday, November 8, and that luncheon should be provided for representatives at the Society's expense. MR. J. T. APPLETON moved, and MR. H. M. HIRST seconded, an amendment to alter the date to Thursday, November 2, in order that members might be saved a further journey after the National Pharmaceutical Union conference. MR. L. M. PARRY asked why the Society's conference was held after the N.P.U. conference. MR. WILSON replied that the Council had decided this some months ago, as it was definitely felt by the committee, the Council, and the joint committee set up on the matter, that the representatives of Pharmaceutical Committees who had administered the present National Health Insurance Act for twenty-odd years, should be given the courtesy of prior discussion.

(To be concluded)

'TRIAD' CHERRY *Flavoured* **MALT & OIL**

COLD CURE CAPSULES

'VYTINA' TONIC TABLETS

HALIBUT OIL & MALT

TONIC PHOSPHATES

TIN OX TABLETS



John Bell
PRODUCTS

*reliability remembered
demand undiminished
supplies somewhat short*

JOHN BELL, HILLS & LUCAS LTD.
Oxford Works, Worsley Bridge Road, S.E. 26

'NOSTROLINE'

NASAL REMEDY

Now ONE size only, 1/5

(Including Tax)

MATTHEWS LABORATORIES, LTD., BRISTOL, 8

EGYPT, PALESTINE AND SUDAN

A live concern with offices in Cairo is desirous of handling sole distribution of Pharmaceutical, Chemical and Toilet Preparations. Executive has had over 14 years' experience as Manager of concern handling above lines and is thoroughly acquainted with all the high authorities of the Medical Profession and in various Ministries, especially Public Health and Royal University, and is well known to all Pharmacies, Drug Stores, Beauty Parlours, etc. Have their own qualified Medical Propagandists and are fully capable of introducing or furthering the sales of all Medical and Pharmaceutical Preparations. Unimpeachable references and recommendations. Replies to Box CDB/328, Chemist & Druggist, 28 Essex Street, Strand, London, W.C.2.



*Meet the need
for 'Something'
more persuasive'*

© 17

MEDILAX
BRAND
Laxative Pellets

ABSOLUTE ALCOHOL

JAMES BURROUGH LTD.

1 Cale Distillery Lambeth S.E.11

BETTER
Advertising
& MARKETING

40 years' success with proprietary lines of national and international fame enable us to offer our clients many solid advantages. Our advertising sells goods at the lowest on-cost.

STUART HIRST, LTD.

Survey House, 15 Bond Street, Leeds, 1



METALDEHYDE

**SAFE SOLID FUEL
AND SLUG KILLER.**

In Handy Packets

1/- 2/- 4/6

Trade Enquiries to

H.R. NAPP LIMITED,

3 & 4, Clements Inn, London, W.C.2.

TRAGACANTH

**SPECIALISTS IN B.P. POWDER.
SAMPLES AND PRICES ON REQUEST.**

**FREUDENTHEIL, SMITH & CO., 16 Philpot Lane,
London, E.C.3.**

MANSION HOUSE 1924 & 6600.

Estd. 1826

RANKIN BROTHERS & SONS

139 BERMONDSEY STREET, LONDON, S.E.1

for DISPENSING

CORKS

**OWNERS OF THE FINEST
CORK FORESTS IN PORTUGAL**

THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

or RETAILER — WHOLESALE — MANUFACTURER

Circulates throughout the Pharmaceutical, Chemical, Drug, Essential Oil, Perfumery, Cosmetic, Toilet Preparation and allied Trades and Industries in Great Britain, Eire, the British Empire, and foreign countries

Official organ of *The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire*

VOL. CXLII OCTOBER 7, 1944 NO. 3374

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

The Society's Annual Meeting

THIRTY members of the Pharmaceutical Society recently exercised their right, under the by-laws of the Society, to call a special general meeting, which was held on September 28 (see p. 376). It will be remembered that at the annual meeting held in May of this year (*C. & D.*, May 27, p. 565) considerable discussion centred round the desire of some members to alter the time and character of the annual meeting with the aim of permitting a larger and more representative gathering. A resolution was then moved that the annual meeting of the Society should be held in each county town in rotation. It was defeated. The motion on September 28, which proposed that the Society's rules should be amended so that the annual meeting could, in effect, be held in the evening instead of at noon, was more successful, being carried with only two dissentients. Although, as the president pointed out, no general meeting can be bound by a decision of a previous meeting, the Council will no doubt take note of the resolution and rearrange the agenda of the next annual meeting so that the main part can be held in the evening, the noon session being limited to the

appointment of scrutineers. The suggested alteration of time may appear somewhat trivial, but its effect on the progress of the Society can well prove far-reaching. If, as no doubt the sponsors of the motion hoped, the annual meeting can be made to assume a greater importance and "liveliness" than has been evident in recent years, the special meeting will have been worth while.

A Lost Amendment

An amendment proposing an annual representative meeting instead of an annual general meeting, was defeated. Bearing in mind the democratic right of every member to attend the annual meeting and the possibility that he might resent being "represented" by another, the loss of the motion is not surprising. It is still open, however, to any branch willing to bear the expense, to ensure that at least one of its members is present at the annual meeting of the Society in London.

A Point of Honour

It may be timely to remind chemists that there are matters in which members of the Pharmaceutical Society act as public-relations officers not only for themselves but for the craft.

One such matter concerns the hours during which a pharmacy is open to receive prescriptions for dispensing. Under the National Insurance Acts a chemist who enters into an agreement with the local Insurance Committee undertakes that his premises shall be open within certain stipulated hours. Outside these fixed hours (or even, by special arrangements in some areas, in modification of them) there are in existence numerous rota arrangements under which a number of chemists in a locality are able to close at a certain time on the understanding that another chemist, at no great distance away, remains open for, say, an hour longer. The arrangement has proved a great boon to short-staffed proprietor chemists in war-time, who have been given an opportunity of catching up with arrears of unpacking or clerical work which otherwise might soon prove overwhelming.

The advantage and privilege carry with them a corresponding obligation, which

is, in this instance, by no means onerous, yet which, to judge by complaints that from time to time appear in the correspondence columns of local newspapers, is sometimes not fully shouldered. When the patient arrives at a closed pharmacy with a prescription, it should be made unmistakably clear and straightforward to him where to take his prescription to get it made up. The notice that appears in the window should be brief, simple, and above all accurate. And the chemist who subscribes to a rota should meticulously adhere to it. It has happened (fortunately very seldom) that (a) a wrong notice has been displayed, so that the patient has been sent to a neighbouring chemist who is himself closed, or that (b) the patient has been correctly directed, but the chemist on duty has failed to remain open. When such a thing happens, great harm is done not only to the individual pharmacist concerned, but to the whole craft of pharmacy, and it is the type of harm which the most zealous of public-relations officers finds it hard to dissipate.

Uniform Notices

The procedure would be improved, from the start, if the notice listing the alternative pharmacies were reduced to its simplest terms and made uniform in all districts. Some such notice as the following would meet the need:—

CLOSED

under Rota scheme

NEAREST CHEMISTS OPEN:—

There can be no guarantee against occasional failures to meet the contractual obligation other than a high sense of responsibility on the part of individual members, and a general sense of social obligation that subtly conveys itself from fellow professionals to a defaulter. How chemists meet their obligations now may vitally affect their status and welfare in the national health service that is now being forged.

A New System of Workmen's Compensation

UNDER the existing system of workmen's compensation the liability for payment is imposed by law upon the employer while the onus of proving his case rests with the workman who must enforce his claim, if challenged, in a court of law. Compensation is thus a disputable issue between two parties, with the result that there has emerged a mass of legal complexities making difficult the operation of an Act that was in the first instance a comparatively simple measure.

The Government, in "Proposals for a Industrial Injury Insurance Scheme" (see p. 381) suggests, as part of its extension and recasting of the social insurance system that provision for disablement or loss of life from industrial injury shall become a social service, administered as a separate scheme, but under the Minister of Social Insurance. Benefits at special rates will be paid from a separate insurance fund, to which the employer, workman and the State will be contributors. Benefits will no longer be related to the estimated loss of earning capacity, but will be paid at flat rates, with supplements for family responsibilities.

Paregoric

AN article in the "British Medical Journal" (September 30, p. 441) gives an account of experiments by the pharmacologist Boyd and MacLachlan which seem to show that the effect of paregoric (tinct. opii camph., formerly tinct. camph. co.) is no due simply to the opium which it contains. The authors measured the expectorant action of paregoric against that of its several ingredients and found that the effect of the mixture is greater than the sum of the effects of its constituents. The opium, camphor and alcohol all play a part, especially the alcohol, in the expectorant effect, but the benzoic acid and oil of anise are regarded as useless. As with good wine, the effect of paregoric was found to improve with age. Old paregoric, brown with some years of storage, was found best. The authors recommend that the preparation should stand for at least two years.

INDUSTRIAL INJURY INSURANCE

THE Government's industrial-injury insurance scheme, published recently as a White Paper, introduces the principle of compensation, not for loss of earning capacity but for loss of health, strength, and the power to enjoy life. The scheme involves fundamental changes in workmen's compensation and will come into operation at the same time as the general scheme of social insurance, of which it forms a part. Liability is transferred from individual employers to a central fund, to which employer, workman, and the Exchequer contribute, and benefits are at flat rates, with supplements for family responsibilities. The scheme applies to all persons working under a contract of service, including non-manual workers, without income limit.

The scheme will be under the general charge of the Minister of Social Insurance, but provision will be made for the collaboration of industry in the development and administration of the scheme in two ways. First, an Advisory Committee or Council will be set up, on which employers and workmen will be equally represented, to advise the Minister on important matters of policy and administration referred to them. Secondly, employers and workmen will be equally represented on the local Appeal Tribunals. In disablement cases, benefits will be at uniform flat rates. They will consist of an industrial injury allowance payable for an initial period while the workman is incapacitated, to be replaced, where the disablement is likely to be permanent or prolonged, by an industrial pension, which will be supplemented by a special allowance if the pensioner is unemployable. Allowances will be made for family responsibilities. Where the injury results in only a minor degree of disability, provision is made for a final settlement by award of a gratuity, or of a temporary allowance at a special rate, with or without final gratuity. In fatal cases, provision is made for payment of a pension to the widow, with an allowance for the first child. The following are some of the benefits and contributions:—

Disablement

INJURY ALLOWANCE (payable weekly during incapacity for work):—

(a) For first thirteen weeks:

35s.

plus 8s. 9d. for a wife,
plus 5s. for first child.

(b) After thirteen weeks: 100 per cent. pension rates.

PENSION, if disablement is assessed at 100 per cent.:—

40s.

plus 10s. for a wife,

plus 7s. 6d. for first child.

WOMEN AND JUVENILES.—Injury allowance and pension at the same basic rates as men. Juveniles at half the rates for an adult, to be raised to the adult rates on attaining eighteen years of age. Dependent's allowances at full rates.

DEPENDENTS.—When no wife's allowance is payable the workman will be entitled, so long as he remains incapable of work, to an allowance at the rate for a wife in respect of one adult dependent.

Fatal Cases

TO WIDOW—

Weekly
s. d.

Temporary benefit for first thirteen weeks if qualified under the general scheme .. 36 0

Thereafter, or if not so qualified:

(a) if 50 or over or has a dependent child or cannot support herself .. 30 0

(b) otherwise .. 20 0

Plus allowance for first child 7 6

Weekly Contributions

	<i>Paid by insured</i>	<i>Paid by employer</i>
Men	3d.	3d.
Boys under 18 ..	1½d.	1½d.
Women	2d.	2d.
Girls under 18 ..	1d.	1d.

There will be one stamp on a single card, which will include the contribution under this scheme as well as under the general scheme. Copies of the White Paper (Cmd. 6551) may be obtained from H.M. Stationery Office, price threepence.

Employing Blind Persons in Dark Rooms.

—The "British Medical Journal" (September 9, p. 362), instancing the employment of a blind typist in the x-ray department of a base hospital under the Department of Health for Scotland, suggests that other x-ray departments may adopt the same procedure. The work is to transcribe on the typewriter in total darkness the remarks of the radiologist as he screens successive patients. The radiologist is thus not compelled to rely on his memory or his notes made subsequent to examination.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

WHAT BIRMINGHAM THINKS OF N.H.S.

A MEETING of the Birmingham Pharmaceutical Association and Branch of the Pharmaceutical Society was held in Birmingham on September 13. Mr. L. H. Teare was in the chair, and members of the Warwickshire, Walsall and Wolverhampton branches were also invited.

The meeting was addressed by the president of the Pharmaceutical Society (Mr. F. G. Wells), who took as his subject "Pharmacy and the White Paper." Mr. Wells gave details of the proposed pharmaceutical bodies to be set up, and of their functions. The following facts should, he said, be borne in mind in assessing the fees of pharmacists under the scheme:—

- (1) Expense of qualification.
- (2) Considerable capital invested.
- (3) Responsibility for accuracy of dispensing.
- (4) Responsibility for checking irregularities in doctors' prescriptions.
- (5) D.D.A. and poisons regulations.
- (6) Twenty-four hour service and delivery.
- (7) Advice on public health.

Future Function of the Society

MR. E. W. MANN was in doubt as to the function of the Pharmaceutical Society under the White Paper, in view of the formation of a Central Pharmacy Board. Would the Society continue as the controlling body for pharmacy or only as a registering and examining body?—MR. WELLS could not define the status of the Society in the new scheme, but pointed out that the Society did not handle N.H.I. affairs.

MR. MANN asked whether the public, who would attend health centres or group practices, would not expect to come away with the necessary medicine and appliances.—THE SPEAKER agreed there would be some such demand, but felt there would also be a big demand to receive medicines from chemists' shops as in the past.

MR. NUNDY said the health centres would require specially trained pharmacists who could negotiate with the health authorities and the medical profession. Would the Pharmaceutical Society train men for these special jobs?—The diploma in biochemical analysis and the Pharmaceutical Chemist qualification provided such trained personnel, but the syllabus could be increased.

Limitation Questions

MR. WEBB asked if the suggested limitation of pharmacies in each area would not drive many younger pharmacists into health centres, instead of giving them a chance to set up independently.—Pharma-

cists who wished could take over existing pharmacies, but many young pharmacists who in the past had started small businesses in areas already catered for had regretted the step.

ALDERMAN DAVIS thought the small mention of pharmacy in the White Paper meant that pharmacy had given good service in the past and would do so in the future. Did the Government intend that pharmacists should carry on, on the same terms as before? If so, they should be told that pharmacists could not give the required service on such terms. The increase in work would not adequately reimburse the chemist.—MR. WELLS said the view of the joint committee was that until it was known what service would be required it was impossible to assess the fees. His view was that the Government realised that an increase in terms was essential.

MR. F. R. C. BATESON said that a requirement that dispensing should be done "by or under the supervision of a pharmacist" was insufficient, and would lead to a pharmacist controlling a number of unqualified persons to do the work. He would press for tightening up the regulation to secure that all dispensing was done by pharmacists. He thought the time had come to abolish the apprenticeship system, as training could now be better undertaken at the Colleges. Had the Joint Committee met the Ministry of Health and, if not, when would a meeting be likely to take place?—MR. WELLS said it was generally agreed that the pharmacist should do the dispensing. Discussions with the Ministry had taken place, and it was expected they would be renewed in the near future.

Out-patients' Dispensing

MR. H. S. GRAINGER said it was the considered view of the Guild of Public Pharmacists that there should be no competition between public service and private practice, but he did think it was impracticable to expect hospital patients to be required to visit a local pharmacy to secure their medicine.

MR. B. W. SHAW thought that if all dispensing was to be done personally by pharmacists a higher scale of fees would obviously be necessary.

MR. H. BUCKINGHAM said the White Paper gave a figure, £30,000,000, for operating the scheme, and he was of opinion that this amount was insufficient even to produce the present fees.

MR. JENKINS said the minimum salary scale in the future should be no less than present maximum rates.—MR. WELLS replied that some high salary figures were being paid and demanded at present, and it would not be possible to adopt them as a minimum. He thought a J.I.C. agreed scale would shortly be issued.

MR. A. B. LAIRD thought the inclusion of dispensaries in health centres would increase the consumption of medicine.

Fees for Poisons and Proprietaries

MR. JENKINS said the selling of poisons was the prerogative of pharmacists, and he thought a handling fee of threepence or sixpence per sale should be introduced.—MR. B. W. SHAW said it was more important to secure a dispensing fee for proprietary medicines ordered on prescriptions. It was not the custom to charge a fee, but entering and labelling had to be done just the same.

MR. C. L. HIGHFIELD asked if the Council had been consulted by the British Medical Association, because it seemed certain that the doctors were not prepared to give up doing the dispensing. MR. H. S.

GRAINGER said it was customary for doctors to employ dispensers holding the Apothecaries' Hall certificate, and it seemed likely that many of these persons would no longer be required. It was desirable to find some means of controlling their activities.

ALDERMAN DAVIS was opposed to the introduction of the National Health Service, but the dispensing service was bound to come, and consequently the better service the pharmacist gave the more the doctors would want the N.H.S. dispensaries to be in the charge of pharmacists.

MR. F. A. GUNN said pharmacists did not want to see dispensaries in health centres.

MISS BRIGHT said that hospital patients who paid threepence per week came for treatment under any pretext, because they had paid the subscription. There would be similar abuse in a national health service.

MR. W. C. TAYLOR asked when the Pharmaceutical Society, with its Royal Charter, would take the necessary steps to put the pharmacist on a professional basis. Britain was the only country in Europe in which the qualified pharmacist was still a tradesman.

COMMONS QUESTIONS ON RUBBER TEATS

THE following questions on the shortage of rubber teats for infants' feeding-bottles were put to the President of the Board of Trade (Mr. Hugh Dalton) in the House of Commons on September 26:—

MAJOR C. S. TAYLOR asked whether, in view of the increase in the birthrate, the Minister was now prepared to release more rubber for the manufacture of teats and valves for infant feeding-bottles.

MR. MURRAY asked whether the Minister was aware of the great shortage of soothers and teats and whether he would increase the supply and thus assist mothers of young children. SIR HERBERT WILLIAMS asked a similar question.

MR. DALTON: I am glad to say that, in agreement with . . . the Minister of Production, a substantial increase has already been made in the allocation of rubber for teats and valves, and larger supplies are reaching the shops. I have now arranged for a further increase which will, I hope, meet the demand in full.

Supplementary Questions

MR. HYND: Is the Minister aware that chemists' shops in many districts are still without teats?—MR. DALTON: If the hon.

Member will send me particulars I will look into them.

MR. HOGG: Does not the Minister think that the condition often attached to the purchase of teats, that a bottle should be bought at the same time, should be removed, in view of the increased supply?—MR. DALTON: Yes, sir. I may inform the House that one of the difficulties is that synthetic rubber is not good for teats.

MR. J. J. LAWSON: Is the Minister arranging for a general distribution throughout the country of these articles, as practically every area is without them? It is no good promising a particular area to arrange for a supply, because the whole country is in practically the same position.

MR. GODFREY NICHOLSON: Will there be adequate liaison in this matter with the Ministry of Health, in order to avoid inadequate allocation of rubber?—MR. DALTON: The Ministry of Production is the co-ordinating Department in this matter.

MR. NICHOLSON: Will there not be liaison with the Ministry of Health?—MR. DALTON: . . . I have given two reasons to the House why the difficulty has arisen, and I have also told the House what active steps have been taken to correct it.

SOME TROPICAL DISEASES AND THEIR TREATMENT

by C. B. Holliday, M.P.S.

(Continued from THE CHEMIST AND DRUGGIST, September 16, p. 304)

Diseases due to Bacteria

MALTA FEVER, also known as Mediterranean fever, is found in that region and extensively in many other parts of the world, including South Africa, India, China and the West Indies. It is caused by a coccus, *Brucella melitensis*. *Br. abortus* and *Br. suis*, which give rise to contagious abortion in cows and pigs, may also produce undulant fever in man. In Europe and America fever due to these organisms is fairly common; in Great Britain the condition is always due to *Br. abortus*, the bovine type, which may enter the skin through a cut or abrasion.

Brucella species give rise to acute septicaemia, producing fever usually within six days to a fortnight. The chief characteristic of undulant fever is its remittant nature, a long series of relapses taking place sometimes for as long as a year. It also affects the nervous system, setting up neuritis, with swelling of the joints, which become very inflamed. The infection may be spread in a similar way to typhoid fever, by human carriers and flies, but it is also known that an important animal reservoir is the goat, which excretes the organism in its milk. Diagnosis is only satisfactorily confirmed bacteriologically, as the disease resembles many others. *Br. abortus* grows best in the absence of oxygen, and this fact has to be taken into account when making cultures of the organism. Both *Br. melitensis* and *Br. suis* are aerobic.

Treatment of Malta Fever

Few drugs are effective for the condition, in which careful nursing is all-important. Stibophen, B.P., a trivalent antimony compound, has given good results in some cases. Sulphonamides have been tried, but although they may be valuable occasionally, they have proved disappointing in the main. The use of a vaccine appears to show the most promising possibilities, whilst the administration of vitamin B and preparations containing it reduces the incidence of neuritis.

Leprosy

Leprosy is a common skin disease in tropical and subtropical countries, being widespread in India, China, Africa, and

even in certain parts of Europe; it has been estimated that nearly four million people are sufferers from the complaint. The condition is caused by a bacillus *Mycobacterium lepræ*. The mortality rate is not high, and, contrary to popular belief, the disease is not exceptionally contagious; it may not always develop into a serious form. Once contracted, however, leprosy is difficult to cure, and even when a lesion has been apparently overcome it may rapidly recur. Children are very susceptible, but the disease is not hereditary.

The ethyl esters of hydnocarpus (oleum hydnocarpi æthylicum, B.P.) have largely replaced hydnocarpus and chaulmoogra oils in the treatment of leprosy. They are given by the mouth, by inunction and by subcutaneous or intramuscular injections, and excellent results have been obtained. The esters probably arrest the disease by setting up a local irritation which causes a breakdown of infected tissue and allows phagocytosis to take place; they have a bactericidal action upon the mycobacterium itself by their effect upon the bacterial cell wall.

Spirochætal Diseases, Relapsing and Tick Fevers

The conditions relapsing fever, yaws and Weil's disease are spirochætal in origin. According to one method of nomenclature, their causative organisms may be looked upon as species of the genus *spirochæta*, but the more usual classification adopted here. Relapsing fever and the so-called tick fevers are due to a spirochæte which is transmitted to man by lice and ticks, and in some cases, possibly, by bed-bugs. Infection takes place when the insect is crushed on the skin. The disease occurs in many parts of the world, and relapsing fever in epidemic form is associated with war and famine. Hence it is often known as famine fever. There is a tendency to classify the tick fevers separately from the epidemic type of relapsing fever, but it is doubtful if separate classification serves much purpose, as the symptoms and courses of the fevers are so similar in kind, and the causative organisms are morphologically indistinguishable.

The fevers may differ slightly according to the country of origin; they are found in Europe, North Africa, southern Spain, and

along the Mediterranean coastline to Turkey and Persia, in India, Central and East Africa, South and Central America, and in parts of the southern United States. Many names have been given to the infecting organisms, but they are usually considered by bacteriologists to be varieties of the same species, *Spirochæta recurrentis*. The insect vector varies according to the habitat, and in some areas—the Eastern Mediterranean and South America, for example—small rodents appear to act as reservoirs of infection. The Central African form of tick fever, sometimes said to be due to *S. duttoni*, is transmitted by the ticks *Ornithodoros moubata* and *O. savignyi*. Elsewhere other species of ornithodoros are responsible, e.g. *O. talaja* and *O. venezuelensis* in South America, and *O. morocanus* in Spain.

Symptoms and Treatment

The various forms of the disease are characterised by the sudden onset of a high temperature, followed by a series of crises, up to three or four in all. Convalescence then follows and, except during epidemics, the mortality rate is low. Intravenous injection of neoarsphenamine gives excellent results; the arsphenamines appear to have a specific action against spirochætes. Sulpharsphenamine intramuscularly is also given. Other arsenicals, such as tryparsamide, have been used in Central African tick fever but without much success. Careful nursing and attention to diet are essential in this as in other fevers.

Yaws

Yaws is a disease of native populations, and although white men have been known to contract it, such cases are rare. The condition is caused by a spirochæte, *Treponema pertenue* (*Spirochæta pertenue*), which appears to be morphologically indistinguishable from *T. pallidum* (*Spirochæta pallidum*), the causative organism of syphilis. It is now believed that yaws is transmitted by a small fly, *Hippelatis pallipus*, which has been found, sometimes in large numbers, on the ulcers produced in the condition. Yaws is confined to the tropics, where it is known under a variety of names, e.g. frambesia, pian, bouhas (in Brazil), dube (on the Gold Coast), parangi (Ceylon), and koko (Fiji). It is distributed widely, and is found in the West Indies, Fiji, Uganda and tropical Africa, Ceylon, Malaya and the Pacific Islands. There are usually three stages. In the first, after an

indefinite incubation period (usually three weeks), there are digestive disorders, followed by the formation of an ulcer or granuloma, which bleeds easily, and then dries up or spreads to a fungating mass. In the second stage, which takes place six weeks to three months later, there is general ill-health, with eruptions all over the body lasting for some years. The third stage, not always found, may take place years later, and is shown by ulcers in the naso-pharyngeal region and painful swellings under the ribs, sternum, etc.

Being a spirochætal infection, yaws is well treated by intravenous injections of the arsphenamines, especially neoarsphenamine; intramuscular injections of bismuth salicylate are sometimes given concurrently. Sometimes there is intolerance to arsphenamines. Oral administrations of acetarsol, and of antimony and potassium tartrate by injection, are occasionally effective.

Weil's Disease

Weil's disease (*Leptospirosis icterohæmorrhagica*) is an infective type of jaundice which is found in many parts of the world. It is noteworthy that jaundice and skin coloration due to bile pigments are often associated with diseases prevalent in the tropics; they sometimes take place even in diseases with which they are not generally associated in more temperate climates. Weil's disease is caused by *Leptospira* (*Spirochæta*) *icterohæmorrhagica*, and although its mode of transmission to man is not fully understood, the rat serves as a reservoir of infection, without itself being infected. The disease is prevalent in Japan, and occurs in Great Britain from time to time, especially among persons who come in contact with rats in the course of their work (e.g., sewer workers). In tropical countries the disease is more serious than when it occurs elsewhere. The usual treatment is by means of a serum, together with careful nursing. Prophylactic inoculation may be given to persons who are liable to come into contact with leptospira-infected rats.

(To be continued)

Facts and Figures.—If every pharmacy in Great Britain were to salvage 1 lb. of waste paper this week, the war effort would benefit by over 6 tons. A similar effort each week would bring in over 300 tons per annum, or sufficient to meet the total consumption of waste paper for three-and-a-half hours. How much can you contribute to this effort?

WORLD SHORTAGE OF EDIBLE OILS

by E. F. Hurt (National Diploma in Dairying)

ALTHOUGH the impact of the present war brought about acute shortages of edible fats and oils, particularly in the belligerent countries, it was not until scientific investigation was made on a world basis that it became realised, not only that there had been a shortage of these oils before the war, but also that distribution had been alarmingly unequal. When steps were taken to consider how these defects could be remedied in the future, it was further discovered that the post-war position, on the present basis of production, would be infinitely worse, and even those countries which, like Britain, had been comparatively well off in this direction before 1939, would be strongly affected by the shortage. The recent Conference at Hot Springs brought out some startling and noteworthy facts.

A Valuable Source of Energy

Most nations have tended progressively to increase their daily consumption of fats and oils, in particular, butter, margarine or vegetable oils. It seems likely that, given sufficient supplies, 20 to 30 per cent. of human energy could be derived from these sources alone, since the oils named yield greater energy, weight for weight, than cereals or lean meat. For this reason the more prosperous nations, which were able to obtain the largest shares of fats, showed greater outputs of work per man.

The animal fats, of course, include both whale oil and butter, but the production of the latter is largely dependent on vegetable oil by-products in the form of feeding cakes, which are also largely responsible for the formation of much animal fat. Thus vegetable oils become not only the largest source of supply but also the most important. The vegetable oils include those derived from palmtree, groundnut, soya bean, maize, olive and sunflower, though hemp, rape and other seeds contribute. These vegetable oils come mainly from areas with tropical or warm climates, such as Africa, South America, the Pacific, etc. Sunflower has been a major crop in the Argentine, and for nearly two centuries in Russia. It has also been largely grown in many other countries, and is rapidly expanding as a first-line crop in the United States, Canada and even Britain.

Vegetable oils for edible purposes have a wide range of uses—as salad and canning oils, for medicinal purposes, in cooking and fish-frying, manufacture of margarines and

vegetable lards, etc. For non-edible purposes vegetable oils are employed by the soap, cosmetic, woollen and other trades. In the pre-war period the greater proportion of world production was directed to North America, Western Europe and Japan, partly on account of their industrial development, prosperity and export trade and partly on account of their increasing consumption of margarines. Even by 1936 the producing countries were exporting three and a quarter million tons annually of which about two-thirds came from Asia. Of this total three million tons went to the areas mentioned.

Levelling Out Distribution

The Asiatic and African producing areas accounted for more than half the world's annual output, and were exporting half their production. Put in another way, this means that 40 per cent. of the world's population was consuming 75 per cent. of the world's edible oil! So uneven was the distribution of these essential products that 60 per cent. of the people of the world were trying to maintain a healthy life on a small part of the world supply, although they themselves were actually producing much of it. This uneven distribution the Hot Springs Conference has ruled must be ironed out. But the world production of pre-war days, if evenly distributed, cannot provide for a sufficiency anywhere, even on minimum nutritional standards. Unless, therefore, the problem of redistribution which entails the consumption, on the one hand, of much of their own produce by the producing areas, and the allotment of some of the yield to areas which previously were small consumers, is coupled up with increased production, the post-war position is admittedly going to be of extreme difficulty. The countries which have accustomed themselves to a high degree of consumption of these oils—particularly America and Europe—will inevitably feel the pinch.

It is for this reason that the United States has been concentrating on increased growing of groundnut and sunflower; Canada is growing the crop, and even in Britain cultivation has been undertaken. Already the point has been reached at which, in some countries, such as Algeria, the growing of oilseeds by every farmer has been made compulsory.

(To be continued)

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2; October 4

BUSINESS in the London drug markets continues steady, with a complete absence of features worthy of special comment. Prices are generally unchanged, the maximum variation being in the nature of a few pence either way. A fairly brisk trade is being carried on in PHARMACEUTICAL CHEMICALS. BENZYL BENZOATE and BARBITURATES are wanted, and there is a good seasonal request for SALICYLATES, particularly for ASPIRIN.

Crude Drugs

Dealers in these commodities report little change in the situation, with business slow and few alterations in market quotations. There are still no supplies of Cape ALOES. BENZOIN continues scarce and tending dearer. CARDAMOMS is neglected. Zanzibar CLOVES is firm, with no other varieties offered. ERGOT is scarce. GUM ACACIA remains in somewhat limited supply, with prices firmly maintained. A good request is being received for RHUBARB, prices of which are unchanged. SEEDS are dull, with values difficult to assess. TURMERIC is 1s. 6d. per cwt. dearer on spot. WAXES are inclined to be dearer. The usual periodical survey of available stocks and production of drugs and medical products is now being made by the Directorate of Medical Supplies.

Licences for Areca Nuts

The Directorate of Medical Supplies has informed the Botanical Drug Importers' Section of the London Chamber of Commerce that it is proposed to recommend import licences for a limited quantity of ARECA NUTS during the ensuing twelve months. For this purpose, the Section invites notification, not later than October 7, by firms which, during the years 1937 to 1942 inclusive, imported areca nuts from the country of origin. By "imported" is meant arranged the shipment and paid the overseas supplier. On receipt of this information, which should be sent to 69 Cannon Street, London, E.C.4, the Section will send qualified importers the necessary form of declaration on which a return of importations can be made. This will form the basis of recommendations to the Directorate of Medical Supplies.

Essential Oils

Nothing of importance has occurred in these markets during the week. Business in "free" oils continues severely restricted because of lack of supplies, but "controlled" oils appear to be coming forward in good measure. The Ministry of Food announces that the only changes in the existing prices of UNREFINED OILS AND FATS and TECHNICAL ANIMAL FATS allocated to primary wholesalers and large trade users during the five weeks ending November 4, are a reduction in whale oil and herring oil to £36 15s. per ton, and in hardened whale oil to £39 per ton, both naked ex works.

Exchange Rates on London

During September the foreign exchange rates on London remained steady. Bank of England fixed rates include: New York, 4.03 dollars; Montreal, 4.45 dollars; Dutch West Indies, 7.60 florins; Lisbon, 100 escudos; Stockholm, 16.90 kroner. The Spanish rate is steady at 44 pesetas, and the Chinese national dollar is higher at 3½d.

Pharmaceutical Chemicals

AMPHETAMINE.—Makers' price is steady at 150s. per lb.

ASPIRIN.—Unaltered at the following rates per lb., in quantities of 28 lb.—1 cwt. (containers in brackets): 4s. (1-lb.); 3s. 10½d. (4-lb.); 3s. 9½d. (7-lb.); 3s. 9d. (14-lb.); 3s. 8½d. (28-lb.).

BENZOIC ACID.—Available at 3s. to 3s. 6d. per lb., according to quantity. Supplies are moderate.

BENZYL BENZOATE.—May be had for approved purposes at 4s. 6d. to 5s. 6d. per lb., according to quantity.

BORIC ACID.—B.P. quality is quoted by makers as follows: Granulated, £70 per ton; crystal, £71; powder, £72. Packed in one-cwt. bags, delivered carriage paid in Great Britain in one-ton lots and upwards. Commercial grades, £8 per ton less.

CAFFEINE.—Quantities of 7 lb.—28 lb. are quoted per lb. as follows (supplies subject to D.M.S. approval): ALKALOID B.P., 34s.; CITRATE, 23s.; SODIUM BENZOATE, 23s.; SODIUM SALICYLATE, 23s. 9d. Tins extra when supplied.

CALAMINE, B.P.C.—Current prices are as follows: 7-lb. lots, 1s. 8d. per lb.; 28-lb. lots, 1s. 6d.

CREAM OF TARTAR.—Controlled prices for the smaller quantities are as follows: Less than

7 lb., 2s. 10d. per lb.; 7 lb.-14 lb., 2s. 9½d.; 14 lb.-28 lb., 2s. 9d. For the full schedule, see *C. & D.*, May 20, p. 555.

IODINE PREPARATIONS.—Prices per lb. for the home market are as follows: POTASSIUM IODIDE, B.P.—112 lb., 9s.; 28 lb., 9s. 6d.; 14 lb., 10s.; 7 lb., 11s. 6d.; 4 lb., 12s.; smaller quantities, 12s. 6d. SODIUM IODIDE, B.P.—28 lb., 9s. 11d.; 14 lb., 10s. 5d.; 7 lb., 12s. 2d.; 4 lb., 12s. 10d.; smaller quantities, 13s. 8d. IODOFORM, B.P.—28 lb., 12s. 10d.; 14 lb., 13s. 4d.; 7 lb., 15s. 6d.; 4 lb., 16s. 4d.; smaller quantities, 17s. 2d. IODOFORM CRYSTALS.—2s. per lb. above powder prices. IODINE RESUBLIMED, B.P.—112 lb., 10s. 4d.; 28 lb., 10s. 10d.; 14 lb., 11s. 4d.; 7 lb., 13s. 1d.; 4 lb., 13s. 9d.; smaller quantities, 14s. 6d.

MAGNESIUM CARBONATE, "LIGHT."—Makers' home market prices per lb., in quantities of 28 lb.-1 cwt., are as follows (containers in brackets): 1s. 3½d. (1-lb.); 1s. 2d. (4-lb.); 1s. 1d. (7-lb.); 1s. 0½d. (14-lb.); 1s. (28-lb.). Prices net one month.

MAGNESIUM TRISILICATE, B.P.—Home market prices per lb., for quantities of 28 lb.-1 cwt., are as follows (containers in brackets): 3s. 9d. (1-lb.); 3s. 7½d. (4-lb.); 3s. 6½d. (7-lb.); 3s. 6d. (14-lb.); 3s. 5½d. (28-lb.). Prices net one month.

MANDELATES.—Makers' quotations are unchanged. SODIUM AND CALCIUM.—4 oz., 8 oz.; and 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 7 lb., 18s. 6d.; 14 lb. (in 7-lb. packages), 16s. 9d.; 28 lb. (in 7-lb. packages), 15s. per lb. net. AMMONIUM (50 per cent. solution).—4 oz., 8 oz., and 1 lb., 11s. 9d. per lb.; 4 lb., 10s. 9½d.; 7 lb., 9s. 10d.; 14 lb. (in 7-lb. packages), 8s. 11½d.; 28 lb. (in 7-lb. packages), 7s. 11d. per lb. net. Packages extra and returnable.

PILOCARPINE.—Makers quote at the following rates per oz.: Base, 1 oz., 27s.; 4 oz., 21s. 3d.; 8 oz., 20s. 9d.; 25 oz., 20s. 3d. Nitrate, 1 oz., 18s. 6d.; 4 oz., 18s.; 25 oz., 17s. 6d.

SANTONIN.—Home trade prices are as follows: 10 kilos and over, £62; not less than 5 kilos, £63; 2-4 kilos, £64; 1 kilo, £65; 500 gm., £66; 250 gm., £67; 100 gm., £68; less than 100 gm., £69 per kilo. Carriage paid in United Kingdom.

TERPINEOL.—Pure medicinal quality may be had at 3s. 3d. to 4s. per lb., for antiseptics of the chloroxylenol type.

VANILLIN.—Current rates are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d. per lb.

Crude Drugs

AGAR.—The official price under the Control of Agar (No. 1) Order is 30s. per lb., but little business is being transacted.

ALOES.—There are no supplies of Cape on spot and no offers from source. *Caraçao* is scarce at 500s. per cwt.

The quantity of aloes produced in the Netherlands West Indies during the second quarter of 1944 amounted to approximately 700 cases. Approximately 1,800 cases were reported on hand at the end of June 1944.

ARECA NUTS.—Wormy material is quoted on spot at 105s. per cwt., ex store.

BALSAMS.—*Peru* continues to be quoted on spot at 7s. 9d. per lb.; *Canada*, 9s. 9d. to 10s.; *Tolu* and *Copaiba* are unobtainable.

BELLADONNA.—Quotations for Indian leaf are steady at 5s. 3d. per lb., and for Indian root, testing 0.36 per cent. alkaloids, at 330s. per cwt.

BENZOIN.—Sumatra is scarce at £45 per cwt.

CAMPHOR.—Limited quantities of Chinese crude may be obtained by approved buyers at 10s. per lb., and B.P. at 11s. 6d.

CARDAMOMS.—Spot price of Aleppy greens is steady at 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; split seed, 5s. 6d.

CHAULMOOGRA.—*Hydnocarpus*, spot, 1s. 6d. per lb., in tins in cases.

CHILLIES.—Mombasa quoted at 110s. per cwt.; no other varieties are offered.

CLOVES.—Zanzibar is firm on spot at 1s. 4½d. per lb. No other varieties are available.

COCOA BUTTER.—Price is controlled at 1s. 5½d. per lb., ex factory or warehouse, except for sales made under Ministry of Food licence.

COCONUT (DESICCATED).—Ministry of Food Order controls the price at 49s. per cwt.

COLOCYNTH.—Fair white pulp is quoted on spot at 2s. 10½d. to 3s. per lb.

DIGITALIS LEAVES.—No changes in either English or Portuguese leaves. Quotations for the former are at 2s. 6d. per lb., and for the latter at 140s. per cwt.

DRAGON'S BLOOD.—Dull Zanzibar drop nominal at £25 per cwt.

ERGOT.—Remains scarce with good-quality material probably not available on spot at under 6s. 6d. per lb.

GUM ACACIA.—Kordofan cleaned sorts, firm on spot at 80s. per cwt.; bleached, spot, 185s. Talha, cleaned, 50s. per cwt., landed.

HENBANE.—Indian leaf is quoted on spot at from 250s. to 275s. per cwt., according to holder; some low-testing material may be had at 1s. per lb. Russian leaf is quoted at 350s. per cwt.

JABORANDI.—Firm at 52s. 6d. per cwt.; available supplies are small.

KAMALA.—Material with 6 per cent. ash still appears to be available at 2s. 6d. per lb.

LIGUORICE ROOT.—Russian root is available for pharmaceutical use at 85s. per cwt.; single-peeled Syrian, in small supply, at 110s. per cwt., subject to D.M.S. approval.

MERCURY.—Official quotations range from £68 10s. to £69 15s. per flask, according to conditions and quality, with higher prices for smaller lots and re-distilled grades.

MYRRH.—Fair quality Aden sorts are firm on spot at £20 per cwt.

NUTMEGS.—West Indian, wormy and broken, spot, 1s. 5d. per lb.; sound unassorted, 1s. 7½d.

NUX VOMICA.—Cochin, spot, steady at 42s. 6d. per cwt.; shipment, 35s., c.i.f.; Cocanada seed, shipment, 32s. 6d. per cwt., c.i.f.

ORANGE PEEL.—No supplies may be obtained at present.

PEPPER.—Maximum prices of whole pepper, not picked over or cleaned, on sale to processors, rs. 4d. per lb. for white and rs. per lb. for black, both duty paid.

PIMENTO.—Sellers on spot at rs. 4d. per lb.; shipment prices are not quoted.

QUASSIA.—Steady on spot at 37s. 6d. to 40s. per cwt., according to quantity.

QUILLAIA BARK.—Crushed or cut, spot, 90s. per cwt.; natural, 75s.; shipment, 65s., c.i.f.

RHUBARB.—In good request, with prices unchanged at 12s. per lb.

SARSAPARILLA.—Unobtainable on spot at present.

SEEDS.—Quiet, with prices of all varieties steady. CORIANDER.—Indian, 75s. per cwt.

CUMIN.—Maltese, spot, 105s.; Indian, 100s.

DILL.—105s., ex wharf. FENNEL.—Offered at 85s. FENUGREEK.—May be had at 80s. MUSTARD.—Controlled prices are unchanged.

SENNA.—Alexandrian medium pods are at 1s. per lb.; Tinnevely, manufacturing grade, 6d. to 6½d.; hand-picked, 8½d. to rs.; broken Alexandrian leaves, rs. 3d. to rs. 4d.; siftings, rs. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

SQUILL.—Portuguese bulb is quoted on spot at 75s. per cwt., and Indian at 60s.

STRAMONIUM LEAVES.—From 80s. to 85s. is the current spot price of East Indian leaves.

STROPHANTHUS SEEDS.—100 per cent. Kombé seed quoted on spot at 7s. to 7s. 6d. per lb., according to quantity.

TALC.—Ministry of Supply selling prices for various grades were given last week (p. 363).

TRAGACANTH.—Medium grades are quoted as follows: No. 1, white, £130 per cwt.; No. 2, white, £115; No. 3, white, £100; No. 4, white, £85; pale leaf, £60; amber leaf, £50; dark amber, £40; brown leaf, £30; red-and-brown leaf, £25; red leaf, from £20; hoggy, £12 to £15.

TURMERIC.—Spot price is now dearer at 60s. per cwt., for sound-quality Madras finger.

VALERIAN ROOT.—Indian is offered on spot at 100s. per cwt.

WAXES.—BEES'.—Supplies may be obtained only through members of the Association of Merchant Distributors of Beeswax; official prices are as follows: Crude, 260s. to 290s. per cwt.; refined, 315s. to 355s.; bleached, 340s. to 370s.; Calcutta, crude, 250s. to 270s.; Calcutta, bleached, 325s. to 335s. CARNAUBA.—Fatty grey, 450s. to 460s. per cwt., ex store, in minimum one-bag lots; shipment, 390s., c.i.f.; Primeira, 530s. to 550s. per cwt., ex store, nominal; shipment, 475s., c.i.f.; medium yellow, nominal; chalky grey, nominal; shipment, 380s., c.i.f. (c.i.f. prices include ½ per cent. W.R.I.). CANDELLILLA.—Under 1 ton, 220s. per cwt.; 1-5 tons, 217s. 6d.; 5 tons and over, 215s., ex store. OURICURI.—Spot, 300s. to 330s. per cwt., as to quality; shipment, 285s., c.i.f.

Essential and Expressed Oils

ANISE (STAR).—The price and supply positions are unchanged.

BAY.—Any available supplies of spot oil would be worth approximately 12s. per lb.

CASTOR.—"Firsts" is officially quoted at £92 per ton, and "seconds" at £90, both naked ex works, in bulk quantities.

CINNAMON.—Leaf oil, if available on spot, would be worth about 13s. 9d. per lb.

CLOVE.—As noted last week (p. 363), English-distilled oil is firmer at 12s. 6d. to 13s. per lb., according to quantity.

COCONUT.—Bulk quantities of refined deodorised are officially priced at £49 per ton, and refined hardened deodorised at £53.

EUCALYPTUS.—Supplies are poor. Oil containing 70 to 75 per cent. cineole would be worth about 7s. 6d. per lb.

LEMONGRASS.—Current value would be in the region of 13s. per lb.

LINSEED.—Crude is officially quoted in bulk at £62 per ton, naked ex works.

NUTMEG.—English distillers quote at 35s. per lb., with lower rates for quantities.

OLIVE.—Edible oil is quoted at 25s. 9d. per gallon (9 lb.), ex store.

PALMAROSA.—Price of any available spot supplies would be in the region of 60s. per lb.

PEPPERMINT.—Small lots are quoted at around 190s. per lb.

RAPESEED.—Official quotations are steady at £85 per ton, naked ex works.

Controlled Essential Oils.—The following prices are effective:—

Bergamot	23s. 10½d.
Camphor	2s.
Coriander	128s. 10d., plus duty, 11s. 6d.
Fennel	11s. 6d., plus duty, 1s.
Lemon oil, distilled	11s. 9d.
Lemon oil, cold-pressed or Sicilian	17s. 4½d.
Peppermint	37s.
Pine needle	13s. 1d., plus duty, 1s. 1d.
Tangerine	33s.
Vetiver	38s. 4d., plus duty, 3s. 5d.
Wormseed	15s. 3½d.

"C. & D." Quiz No. 38.—The answers to the questions on p. 372 are: 1. Pimento, the unripe fruit of *Pimenta officinalis*. 2. Tar, B.P., a bituminous liquid obtained by the destructive distillation of various species of *Pinus*. 3. Du-long, in 1811. 4. Theophilus Redwood. 5. Thyroxine. 6. Plumbi carbonas. 7. Black sassafras, the dried bark of *Cinnamomum Oliveri*. 8. *Ung. rosæ album*, B.P.C. 9. William Allen, F.R.S. 10. A. J. Balard.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Conscription of Industry

SIR,—Mr. Dick Beech (president of the Chemical Workers' Union) asked at the annual meeting of the Union (as reported in the daily Press), "But where is the conscription of industry?" If he had addressed the question to chemical and drug merchants and brokers they would have told him that industry has been so conscripted that practically nothing is left of this important branch of their own industry.

Yours faithfully,
H. LATTIMER.

London, S.E.1.

Authority to Negotiate

SIR,—It has for long been the custom in this country, when important negotiations are in prospect, to bring all interested parties together to find a basis for the contracts or bargains by which such parties will be bound. Any departure from the traditional method must be justified by irrefutable argument, or the negotiations are prejudiced at the outset. The Pharmaceutical Society's Council holds that the Pharmaceutical Joint Committee, which includes only representatives of itself, the National Pharmaceutical Union, and the Standing Committee for Scotland, is the proper body to negotiate with the Ministry of Health. It declines to admit delegates from other interested bodies on the ground that it will consult those bodies as may be necessary, and considers that to admit them would be a derogation of its authority. Assuming the validity of its authority, the Council has already derogated some of this authority to the N.P.U., and by so doing has refuted its own argument. Having let the drawbridge down, it claims to decide which of the knights shall be admitted to the conclave.

There are two kinds of authority, legal and moral. The Society's Charter declares that "there shall always be a Council to direct and manage the affairs of the Society." The Council has no legal authority whatsoever, either by charter or legal enactment, to decide the constitution of a Joint Committee to conduct negotiations for contracts which will be substantially commercial in nature. It has no more legal right to control the negotiations than the management committee of a golf club has to decide the terms on which its playing

members are to buy their mashies and niblicks. The Council's authority in this matter is great, but it is a moral authority only. It rests on the confidence placed by the members of the Society in the wisdom and sense of fairness of its Council, and its prestige with the Ministry of Health. Before taking action which may result in the conclusion of "a separate peace," and which may have unfortunate repercussions the Council should think again.

Yours faithfully,
Nottingham. GRANVILLE SHAW.

MISCELLANEOUS INQUIRIES

Lipstick Formula.—M. C.—A typical formula is:—

White beeswax	..	..	33
Benzoated lard	..	..	12
Sesame oil	..	..	20
Castor oil	..	..	29
Perfume oils	..	..	2
Tetrabromofluorescein	..	..	4

Dissolve the dye in the castor oil heated to about 70° C. and add the melted mixture of wax, lard and sesame oil; stir well until the preparation thickens, then add the perfume.

Silvering Brass Models.—D. B. W.—The following recipe, taken from "Pharmaceutical Formulas," Volume II, is probably the one you have in mind:—

Potassium cyanide	..	..	35
Distilled water	..	..	500

Add the solution in small portions to the following:—

Silver nitrate	..	..	10
Distilled water	..	..	500

A precipitate is at first formed which then dissolves. When no more of the precipitate dissolves add no more solution. If a precipitate remains undissolved after vigorous stirring, then add a little more of the cyanide solution until it just dissolves. The object is to use just enough of the cyanide solution to dissolve the silver nitrate and no more. No free cyanide should remain. Use the solution at a temperature of about 150° F. If the dye contains much free cyanide, the silver becomes dull and yellow. With no free cyanide there is deposited on the work a perfectly white and bright coating. The process is not always satisfactory in the hands of an unskilled person.

BURGOYNE'S BRONCHIAL EMULSION



A Seasonable
WINTER LINE
compounded from
a sound and well
proven formula.
Soothing and curative



*A Red Diamond Speciality
popular with Chemists and
well-known by the discriminating
public.*

4-oz. Bottles 6/3 Per Doz. + 16²/₃ P.T.

8 " " 9/6 " " " " "

BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED, LONDON. E.6

B R O M I D E S

(AMMONIUM POTASSIUM SODIUM, B.P.)

regularly available for export to all markets

produced by

PALESTINE POTASH LTD.

Submit enquiries to the Sole Selling Agents

C. TENNANT SONS & CO. LTD.

(One of the TENNANT GROUP of COMPANIES)

Reg. Office:
13 Mansfield St.
London, W.1

Temporary Address

Pinner Court, Moss Lane, PINNER, MIDDLESEX

Potash House,
King George
Avenue,
JERUSALEM

STAINED!



For the "professional style" cleaning of Dainty and DELICATE FABRICS, SUITS, HATS, SATIN AND BROCADE SHOES, GLOVES, SCARVES, TIES, CARPETS, also for WINDOWS, MIRRORS, BATHS, PAINTWORK, etc., use **Solitaire Dry Cleaner.**

Solitaire Dry Cleaner is perfection itself for the cleaning of all fabrics, no matter how dainty. No chemical bleaching action. Leaves no "ring." Non-inflammable. Different from other solvents—cleans by the action of millions of tiny globules which gently carry away all dirt.



Sold in bottles price 1/9 at Grocers, Chemists, Stores, etc.

SOLITAIRE DRY CLEANER

FURMOTO CHEMICAL CO. (FACTORS) LTD.
1-3 Brixton Road, London, S.W.9

For more than Fifty Years

Importers and Exporters of
Essential Raw Materials to
the Chemical, Pharmaceutical,
Food, Confectionery, Perfumery,
Veterinary and Allied
Manufacturing Trades.

Wholesale Enquiries
solicited for:—

Balsams, Barks, Crude Drugs,
Gums and Resins, Roots,
Seeds and Spices, Waxes, etc.
Stocks held in London and
Provinces

Correspondents in every accessible World Market



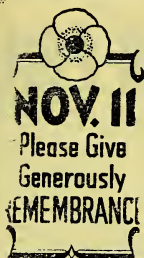
ESTD 1893

H. Frischmann

1, FENCHURCH BUILDINGS, FENCHURCH STREET, LONDON, E.C.
& 237A, GOLDERS GREEN ROAD, N.W.11.

Telegrams: FRISCHMANN,
LONDON

Telephones: ROYAL 3
SPEEDWELL 9



BRITISH ALKALOIDS
AND FINE CHEMICALS

Whiffen

BROMIDES
AND
IODIDES

World conditions may determine
availability of supplies

MERCURIALS • ATROPINE •
CAMPHOR • NICOTINE •
NICOTINIC ACID • SALICIN •
CAFFEINE • EMETINE •
QUININE • STRYCHNINE •
VERMILION • PRUNELLA •
ESSENTIAL OILS • CLOVE OIL
SANDALWOOD OIL •
ALMOND OIL • EXTRACT OF
IPECAC. LIQ. • DRUG GRINDING

WHIFFEN & SONS, LTD.

INCORPORATING GEORGE ATKINSON & COMPANY, ESTABLISHED 1654
FULHAM, LONDON, S.W.6

'Phone Fulham 0037

'Grams Whiffen London

HYDRAGUM

(EDIBLE)

is being used extensively in place of
Agar-Agar, Gum Tragacanth and
other thickening products

for producing—

- ★ **ODOURLESS & TASTELESS GELS**
- ★ **STABLE EMULSIONS**
- ★ **VERY STRONG MUCILAGES**

ANALYSIS, SAMPLE, PRICES AND ALL
PARTICULARS SENT ON REQUEST.

We also solicit your enquiries for any
other Gums and Chemicals.

BROWN & FORTH, LTD.

Clifton House, Euston Rd., London, N.W.1
118 Chorlton Road, Manchester, 15

MAG. CARB. POND.

B.P.

Prompt Delivery

Competitive Prices



DUNN BROS. (Succrs.) LTD.

1 Booth Street, MANCHESTER

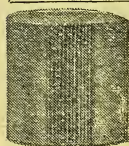
STERIJECT-DUNCAN

- ALWAYS READY FOR INSTANT USE
- OF UNQUESTIONABLE STERILITY
- FACILITATE ACCURATE DOSAGE

STERIJECTS-DUNCAN constitute a distinct advance in
injection therapy and are greatly preferred to the more inconvenient
hypodermic Tablet.

STERIJECTS AVAILABLE

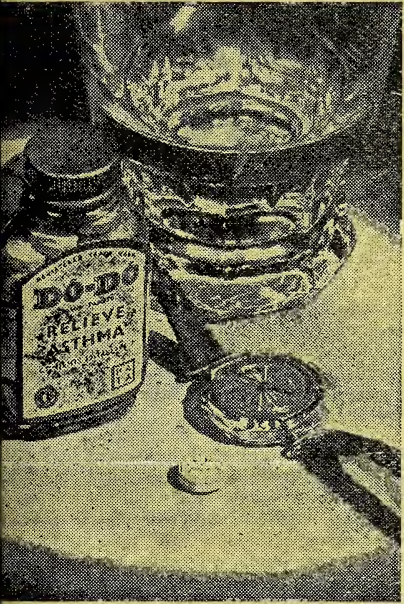
No.	Drug	Dose in l. c.c.	1-oz. Bot.	No.	Drug	Dose in l. c.c.	1-oz. Bot.	2-oz. Bot.
1	Morph. Sulph.	$\frac{1}{2}$ gr.	s. d. 4 6	6	Sol. of Adren.	1-1000	s. d. 4 0	—
2	Morph. Sulph.	$\frac{1}{4}$ gr.	5 0	7	Procaine Hyd.	$\frac{1}{2}$ %	3 0	4 6
3	Morph. Sulph.	$\frac{1}{8}$ gr.	4 0	8	Procaine Hyd.	$\frac{1}{4}$ %	3 6	5 0
4	Morph. Sulph.	$\frac{1}{16}$ gr.	5 0	9	Procaine Hyd.	2%	4 0	6 6
	{ Atrop. Sulph.	1/150						
	Scd. Mori h late	5%	4 0	16	Phenol in Oil.	5%	4 6	—



CHEMISTS LESS 25%

DUNCAN FLOCKHART & CO.

EDINBURGH & LONDON



Asthma Tabellae

(International Laboratory DO-DO Formula)

The treatment of Asthma by Tabellae is a recognised part of modern medical practice. Do-Do Asthma Tablets commend themselves by virtue of formula and unvarying excellence of manufacture.

Do-Do Tablets are indicated in cases of Adult Asthma, Bronchial Asthma, Bronchitis, etc. Spasm relieved in 30 seconds; normal breathing restored in 15-30 minutes.

30 tablets, 3s. 4½d. Trial size, 7 full Doses, 1s. 1½d. Prices include Purchase Tax.

INTERNATIONAL LABORATORIES LTD.
CHARLBURY • OXFORD
Charlbury 29



REQUEST PRODUCTS

- Lipsticks
- Lipstick Refills
- Vanishing Cream
- Night Cream
- Turtle Oil Cream
- Complexion Milk
- Bloc Rouge
- Cream Rouge
- Hair Setting Lotion
- Brilliantine
- Face Powder
- Talcum Powder
- Bath Cubes
- Emery Boards
- Hand Mirrors
- Flapjacks
- Nail Buffers
- Teething Rings
- Lipstick Holders
- (Wood & Cardboard)
- Styptic Pencils

We will be pleased to send you our current Price List or ask our representative covering your territory to call upon you.

Please do not ask for samples.

Our Beauty Box by "Request," comprising Flapjack and Lipstick, makes an excellent gift line.

Write to:—

ESMOREA CHEMICAL PRODUCTS LTD.
106 REGENT STREET, LONDON, W.1



A-D CAPSULES N.W.F

CAPSULA LIQUORIS VITAMINORUM A et D
CONCENTRATI
(CAPS. LIQ. VITAMIN A et D CONC.)
NATIONAL WAR FORMULARY, AMENDMENT
No. 2 (JANUARY 1943)

Each capsule is equivalent in Vitamin content to 4,500 units of Vitamin A and 450 units of Vitamin D in 3 minims of an oily medium.

DOSE : 1-2 Capsules a day, or as otherwise prescribed.

Price on application



RANGAN LABORATORIES LTD.

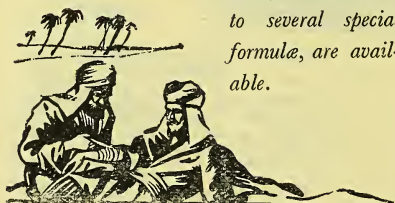
BRETENHAM HOUSE, LONDON, W.C.2.
Telephone : Temple Bar 6785
Telegrams : Menformon, Rand, London

SAMARITAN*Olive Oil is not
yet available
but***SAMARITAN
OINTMENTS**

rank equally
high in their
class and are
available at
reasonable
prices in 1
oz. and 2 oz.
amber jars.



A good range of B.P. and B.P.C. preparations, in addition to several special formulæ, are available.

**THORNTON & ROSS, LTD.***The Home of Modern Pharmaceuticals***LINTHWAITE - HUDDERSFIELD**

TRI28

They can't miss it!

Knowledge of the great nutritive value of cod liver oil is spreading rapidly. Already more people are taking cod liver oil regularly than ever before, and the demand increases month by month — proof positive of the wide influence of SevenSeaS advertising.

This winter new, humanly-presented advertising will appear in national dailies, local papers and all the most widely read women's magazines, religious, medical and educational journals. Your customers simply can't miss its message. A still wider public will realise that this highly concentrated food, which is considered so important for under-fives, also helps over-fives and adolescents to develop healthy bodies capable of resisting infection. More adults will discover what a fine antidote it is to fatigue and the common cold.

Display SevenSeaS in your window and on your counter. The more you remind your customers that you stock this well-advertised product, the bigger your share of the rapidly rising sales.

There's no hold-up on supplies of bottled oil and orders can be despatched without delay. Government priorities restrict the manufacture of capsules, but available supplies are distributed as fairly as possible through wholesalers.

*Issued by***BRITISH COD LIVER OIL PRODUCERS
(HULL) LTD.****ST. ANDREW'S DOCK, HULL***Makers of****SevenSeaS***

A Real Analgesic Alkaliser

This is the formula of Neodex
Seltzer:

Lithii Benzoas.	3
Acidum Acetylsalicylicum. . .	10
Acidum Citricum	34
Sodii Bicarbonas	to 100

Every pharmacist will appreciate
how confidently he can recom-
mend it for Headaches, Digestive
Troubles and many types of
Rheumatic and Neuralgic pains.
There is no product on the mar-
ket with the same combination
of properties. It is *not* a laxative.

NEODEX SELTZER

INTERNATIONAL
LABORATORIES LTD. **PATENT**
Charlbury - Oxford



GUMS SHELLACS

and

WAXES

Japan Wax, White
Bees Wax, Candelilla
Wax, Carnauba Wax

In natural and powder form

Acacia
Tragacanth
Karaya
Benzoin
Copa
Mastic
Damara

Critical Agents

ANGELO BROS. LTD.
SHELLACS

Please note we are
Members of:—

The Shellac Distributing Agency Limited
The British Shellac Bleachers' Association
The British Varnish Gum Merchants' and
Graders' Association

A. F. SUTER & CO. LTD.
Victory Works, 83/84 Eastway, Hackney Wick
London, E.9 Phone: AMHerst 2275/6

ECONOMIC UTILITIES LIMITED

Westcombe House
56/58 Whitcomb Street, W.C.2

Telephone: ABBey 3873/4

for: GELATINE, edible and technical
GUM KARAYA and GUM ARABIC

"ECONOMIC" Artificial Glycerine

"SULPHOR" Sulphonated fatty Alcohol
in liquid, powder and paste

TRAGACANTH

POWDER OUR "SOJ" BRANDS

ARE ESPECIALLY GRADED FOR ALL USERS
AND INDUSTRIES

WE ALSO STOCK KARAYA POWDER

Samples and Prices on Application

SALEM (Pulverised Tragacanth) **LTD.**

11a WORMWOOD ST., LONDON, E.C.2

TELEPHONE: LONDON WALL 1910

BURNSIDE'S EUCALYPTUS OILS

Distilled in Australia by the largest distillers and refiners of Eucalyptus Oils
in the world—W. K. BURNSIDE, PTY., LTD., MELBOURNE, AUSTRALIA.

80/85% B.P.
Oil Euc. Dives 40/45%
Oil Euc. Citriodora

70/75% B.P.
Piperitone 90/95%
Oil Euc. Phellandria

Phellandrene

UNIFORMITY OF QUALITY CONSISTENCY OF ODOUR

Agents for U.K.: **WILSON & MANSFIELD LTD.**, 15 Philpot Lane, London, E.C.3
Phone: MANSION HOUSE 9264-5-6 (WHOLESALE ONLY) Grams: WYFIELD, LONDON

EXPORT IN WARTIME

The amount of Ayrton Products carried by sea is greater than ever, but the needs of the Forces decide the destination.

To our Overseas friends we send our greetings and assure them of the return of the Ayrton Service at the earliest opportunity.

34 Hanover Street, Liverpool, 1
**AYRTON
SAUNDERS
& CO., LTD.**

WANTED

Exclusive Agencies for

**DRUGS, MEDICINAL PREPARATIONS
FINE CHEMICALS, SURGICAL APPLIANCES
ETC.**

C. M. SALVAGO & COMPANY

ESTABLISHED 1865

Head Office :

**22 Sherif Pasha Street
ALEXANDRIA**

Cables : Salvago Company, Alexandria

30 Branches all over Egypt.

Countries covered : Middle East and Greece.

PROMPT DELIVERY FROM STOCK!



EMULSIFIER "A1"—1 lb. plus 1 gallon water makes a perfect thick, white hair cream. 15s. per lb.

EMULSIFIER "EXTRA"—1 lb. plus 6 pints water makes a perfect vanishing cream. 15s. per lb.

EMULSIFIER "G." 12 lbs. plus 5 gallons of water makes a perfect setting lotion. £5 for 12½ lbs.

EMULSIFIER "OK." 10 lbs. plus 5 gallons of water makes a high-grade brushless shaving cream. £5 for 10 lbs.

PERFUME "H.C. Concentrated." Pre-war quality. 2-oz. bottle—sufficient to perfume 5 gallons Hair Cream or setting lotion. 20s. plus 100 per cent. purchase tax.

PERFUME "V.C. Concentrated." 2½-oz. bottle—perfectly perfumes 200 2-oz. jars vanishing cream or brushless Shaving Cream for 25s. plus 100 per cent. tax.

"PINE OIL" for cleansing hair and scalp. Just rub it into the scalp thoroughly—then rinse off with hot water. CLEANSSES, REFRESHES, INVIGORATES. 20s. per gallon.

SMART GOLD SEAL LABELS.

H.C. Packet for 6s. contains 160 labels as illustrated—worded "Fragrant Tonic Hair Cream, Makes the Hair Behave."

V.C. Packet for 6s. contains 160 labels as illustrated—worded "My Lady's Vanishing Cream for Loveliness and Charm. Delicately Perfumed."

SEND NOW! State whether H.C. or V.C. Packet required—or both for 12s. Emulsifier A1, 15s. per lb. Emulsifier "Extra," 15s. per lb. Emulsifier "G," 8s. per lb. Emulsifier "OK," 10s. per lb. H.C. Perfume Concentrated, £2 including tax. V.C. Perfume Concentrated, £2 10s. including tax. All materials, bottles, jars, labels, etc., in stock.

ST WHOLESALE STOCK BRICCAS
NE CHEMICALS, PERFUMES AND
LABELS.

LADFORD: T. Holdsworth & Co.

LUNCESTON: S. Stout, Ltd.

VERPOOL: H. E. Jarvis & Co., Ltd.,

The Hairdressene Toilet Co.

ONDON: R. Hovenden & Sons, Ltd.

ANCHESTER: Watts Bros., Ltd.

EWCASTLE-ON-TYNE: S. & E. Summer-
field.

son Bros. (Merchants), Ltd.

Summerfield & Nemeth.

ORWICH: Roworth Bros., Ltd.

YMOUTH: F. W. Harris & Co., Ltd.

ESTON: Costellos (Preston), Ltd.

ELFAST: R. Hovenden & Sons, Ltd.

BRICCAS LIMITED

CAVENDISH PLACE, OXFORD CIRCUS, LONDON, W.1. Telephone: LANGHAM 1183



**LINTS • BANDAGES
COTTON WOOL
PLASTER MUSLIN
MATERNITY PADS
GAUZE**

*The Dressings they
use in the hospitals
are safe to sell to
your customers*

The Guarantor  of Quality
since 1875

CARUS
OF DARWEN

Only Wholesalers Supplied

HODDLESDEN MILL • ATLANTIC MILL • HAMPDEN MILL • SPOTLAND BRIDGE MILL


Camelia
SOLUBLE TOWELS
in packets of 12 towels

GAUZE COVERED

		Buying Price per doz. pkts. of 12	Selling Price per pkt
IDEAL	(Loops)	12/-	1/4
MODERN	(Loops)	13/6	1/6
FAVOURITE	(Loops)	17/3	1/11
OVERSIZE	(Loops)	20/3	2/3

All the above packed in cartons of 3 dozen packets

Packed in cartons of 2 dozen packets

Obtainable from:

Leading Wholesale Chemists

Sole Distributors to the Trade:—

CHAPPELL, ALLEN & CO LTD

87-91 NEW BOND STREET • LONDON • W.1

Telephone: MAYfair 6571-2

FOR ANY MAN . . .



20%

IS A LOT TO LOSE

Hundreds—perhaps thousand of your customers are sacrificing one-fifth of their Energy Vitality and well-being WITH OUT KNOWING IT—through lack of scientific support.

Nowadays, however, more men than ever before are realising, that they DO gain real fitness comfort and strength with 'LITESOME.' Widespread national advertising is telling

them that the Chemist can provide their need—can you? If you don't already stock 'LITESOME' send for full details to-day to

FRED. HURTLEY, LTD.

Victoria Park Mills, - KEIGHLEY

Mayfair Model, 15/2d. Standard Model, 6/10d

Litesome

★ SUPPORTER BELT ★

TAKES THE STRAIN

SOUTH AFRICA AND RHODESIA

Look the world over—find, if you can, a market anywhere that can rival the opportunity offered you now by the UNION OF SOUTH AFRICA AND RHODESIA.

PROSPERITY'S smoke is pouring from its many rich Gold Mines and numerous industries.

GOLD PRODUCTION in South Africa has never before been so great and its price so high.

MANUFACTURERS OF PROPRIETARY PATENT MEDICINES AND TOILET PREPARATIONS will find this an extremely profitable market, and an excellent field for the promotion of British exports.

DRUGS & TOILETS (PTY.) LIMITED. Sole South African distributors for a number of well-known proprietary products offers a complete sales, warehousing and merchandising Service. From Headquarters in Johannesburg, and branches in Cape Town, Port Elizabeth, East London, Durban, Salisbury and Bulawayo, salesmen actively canvass the trade throughout the entire territory and supply from full stocks held at each of their branches.

DRUGS & TOILETS (PTY.) LIMITED BUYS OUTRIGHT AND PAYS CASH IN LONDON for all its requirements through their London Office.

Write to
DRUGS AND TOILETS (PTY.) LIMITED
P.O. Box 2801, Johannesburg, South Africa

"Prophylactics should, under regulations and safeguards, be available at proper Chemists up and down the country"

... Parliamentary debate on Venereal Disease Control reported Daily Telegraph, Dec. 16, 1942

**Our Chemist Customers
share in this Control by
serving the public with
the finest protectives
"SELKA"**

★

**SELKA Ltd. 23 Dering St.
London, W.I. Tel. Mayfair 2412**

ENEMAS

Demand continues for the "Perfex" and "Satinetta." Recommended by Doctors and Nurses.

BREAST RELIEVERS

Ingram's "Omega" remains consistently popular. A sturdy job, designed in collaboration with Medical authorities.

AIR CUSHIONS

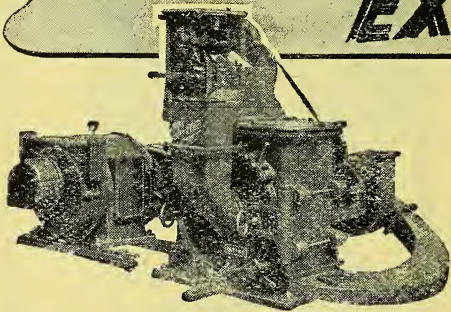
The "Atalanta" is strongly built, to stand up to years of hard wear. Specially made seams—no leakage possible.



J. G. INGRAM & SON, LTD.

The London India Rubber Works, HACKNEY WICK, E.9.

CALL IN THE EXPERTS!



The best way to ensure satisfaction in grinding is to call in the experts—Porteus. Not only do they know what exactly is required, but they can and do invariably advise on the best type for the job in hand. Lengthy experience in design and construction is at your service—why not write now?

GRINDER

No. 1544

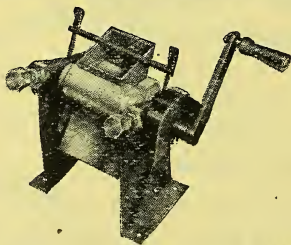
PROVENDER MILLING SPECIALISTS

GEORGE PORTEUS & SONS (Leeds) LTD.

LEEDS BRIDGE WORKS • LEEDS 10

® G.P.16

MONITOR



"MONITOR MINOR" TWIN ROLL MILL
for the

Manufacture of OINTMENTS, etc
The ideal machine for the busy dispensing chemist. It cuts out the drudgery of the pestle and mortar and produces a better product in far less time.

Send for List M. 641

THE PASCALL ENGINEERING CO., LTD.
114 LISSON GROVE, LONDON, N.W.1

Q.P.
HAND
AND POWER
EMULSIFIERS



We hope to be able to supply a limited number of both hand and power driven types, subject to Board of Trade permit being obtained by purchasers.

Q.P. Emulsifiers are ideal for the rapid production of stable emulsions, creams, lotions, etc.; easily cleaned and most dependable.

ORMEROD ENGINEERS LTD.
SHAWCLOUGH • ROCHDALE

Telephone: Rochdale 4414-5



P.A.T.A.

SHERLEY'S

DOG MEDICINES

Retailers are advised to order SHERLEY preparations in good time, and they will thus be able to maintain a favourable position regarding their stock of SHERLEY's Dog and Cat Medicines.

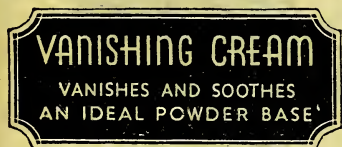
SHERLEY's sales policy is to give the fullest support to every Trader, and if orders are sent ahead it will be possible to avoid empty shelves and disappointed customers.

A. F. SHERLEY & CO., LTD

69-70 GORDON MANSIONS
TORRINGTON PLACE, LONDON, W.C.1

STOCK JAR LABELS

This size and style. All usual wordings



Send for samples and prices

WILLIAM SESSIONS, LTD. Ebor Press, YORK

Make a Name for Yourself-
WITH

VERDIERS QUALITY PREPARATIONS

It contains 50 ANSWERS to
your Sales and Salon problems
in this book. Write for a copy
together with our Price List
and range of preparations.



* VERDIERS LTD *

Manufacturing Chemists
35 OLD BOND STREET, LONDON, W.1
Telephone REGENT 2317

GUMS

WAXES

of all kinds

ART. SPIKE
LAVENDER OIL
SPERMACETI

M. W. Hardy & Co., Ltd.

112/113 Fenchurch Street, London. E.C.3

Telephone: ROYal 4632
Telegrams: Hardichem



Something for a Cough?
Ah, Yes! - Meggezones

THAT'S THE BIGGEST-SELLING
PASTILLE IN PHARMACY

NATIONALLY ADVERTISED · REASONABLE SUPPLIES

MEGGESON & CO., LTD., LONDON, S.E.16



The CHEMIST AND DRUGGIST

SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

OCTOBER 7
1944

28, ESSEX STREET, LONDON, W.C.2

Supplement Advertisements must be prepaid and should reach us not later than FIRST POST WEDNESDAY week of issue. Box Office numbers 1/- extra. Late advertisements will be held over to following week.

ORRIDGE & Co.

BUSINESS TRANSFER AGENTS
VALUERS AND ASSESSORS

Columbia House, Aldwych, London, W.C.2

Phone: Chancery 6446/7

5 Leicester Road, Hill Lane, Southampton

Phone: 71708

Norfolk House, Cannon St., Birmingham

Phone: Midland 6547

ESTABLISHED 1846

FRANCE, BELGIUM,

SWITZERLAND, LUXEMBOURG

A French firm of Agents established 20 years in London has plans ready to open similar organisation in Paris, and invites inquiries from British Manufacturers needing a resident Agent for Export business to countries named. Facilities will be available for assembly, packing, and carrying stocks. Connexion exists for raw materials, machinery and plant, accessories and finished products for all branches of the Chemical and Cosmetic Trades. Box CDB/330, C. & D. London Office.

OPTICAL TUITION

FOR THE

S.M.C., B.O.A., and N.A.O. DIPLOMA Examinations

Particulars:—

C. A. SCURR, F.S.M.C., F.B.O.A., F.N.A.O.,
F.I.O., F.C.O., M.P.S.

50 HIGH STREET, BARNET, LONDON, N.

THE FAYLENE LOGGING COMPANY

solicit your inquiries for

Emulsions Waxes	Gum Acacia Powder
Epsom Salts	Hydrogen Peroxide
Glauber Salts	(all strengths)
Sulphur (Sub. & Pp.)	Disinfectant Fluids
Sodium Bicarbonate	Essential Oils
Talc Powders, Various	Castor Oil, B.P.
Kaolin	and:
Gelatine Powders	Oils, Drugs, Chemicals
Zinc Oxides	and general Raw
Zinc Stearate	Materials for all
Gum Karaya Powder	Trades.
Gum Tragacanth Pdr.	
15 QUEENS COURT, LOWER BRIGGATE,	
LEEDS, I.	Phone: Leeds 22594.

Ambresil No. 4. The Premier Oil-in-Water Emulsifier. Ambresil V.C. Creates a Vanishing Cream of pearly whiteness. Ambresil No. 559. Produces a Cold, Cleansing and similar Cream with the addition of water only. 15/- per lb. Reduction for quantities. Complete range of Emulsifiers available.

Aristol-Ambresils, Ltd., 6 Tower St., Harrogate

For Sale.

SCREW CAPS AND STOPPERS. 800 gross, 19-mm. Caps with wads; 1500 gross 38-mm. Caps with wads; 5000 gross all-cork Stoppers. Also large quantities 19-mm. and 22-mm. White Rubber Wads. Box No. 408, C.R.C., 21-41 Wellington Road, London, N.W.8.

EDUCATIONAL

OPTICAL TUITION

For the Diploma Examinations. Particulars: The Dublin College of Optics, 10 Lower Abbey Street, Dublin.

SITUATIONS OPEN

7/6 for 40 words or less, 2d. for every additional word.

Employment of Women (Control of Engagements Order 1942)

With certain exceptions, women over 18 and under 41 years of age seeking Employment and Employers seeking to engage such women are now required to do so only through the local office of the Ministry of Labour and National Service or an approved employment agency.

RETAIL (HOME)

ASSISTANT (Unqualified) with all-round experience required at once for brisk Counter, Dispensing, etc. No Sunday duty, half-day Wednesday. Good salary for capable applicant. Apply with full particulars, age, salary, experience, etc. Harold Miller, Ltd., 98 High Street, Cheltenham.

BOGNOR. Manager wanted for busy high-class Pharmacy. No half-day or Sunday duties. Comfortable hours. Apply 581/800, C. & D. London Office.

BUXTON. Manager or Manageress required for Drug Store (due to call-up). Comfortable post. Health resort. Write 581/813, C. & D. London Office.

G. PECK & SON, Ltd., Cambridge, require a qualified Assistant, either sex, chiefly for Dispensing. A high-class family business. Kindly state age, experience and where trained, and salary required. G. Peck & Son, Ltd., 9 King's Parade, Cambridge.

MANAGER required for good-class busy West End Pharmacy. West-end experience and up-to-date ideas necessary. Apply 581/801, C. & D. London Office.

MANCHESTER. Qualified Manager or Manageress required for suburban family business. Living accommodation in about a month's time. 581/812, C. & D. London Office.

ORRIDGE & CO., Employment Agency, Columbia House, Aldwych, W.C.2, invite inquiries from all employers seeking Qualified Staff, especially for London and Southern Counties, excluding women between the ages of 18 and 41. Terms on application.

PHARMACISTS (either sex), with or without Optical qualification, required as Branch Managers. Permanent positions. Superannuation scheme in operation. Apply in writing, stating age, experience and position under national service or registration for Employment Order Acts to the Superintendent-Chemist, St. George Co-operative Society, Ltd., 274 St. George's Road, Glasgow, C.3.

PHARMACISTS (qualified) required for Chain Stores in each of the following: Oxford Street, (London), Erdington, Birmingham, Manchester, Barnsley, Chester, Scunthorpe, Blackpool. Applicants must have been born prior to 1892 other than in the case of married women with a child under 14 years living with them. Adequate salary and reasonable hours. Apply, giving age, qualifications and full particulars of experience to Personnel Manager, Ref. S.H., Littlewoods Mail Order Stores, Ltd., Waterloo Buildings, Cases Street, Liverpool, 1.

QUALIFIED Assistant required for Medium Class Business in Sutton, Surrey. 581/815, C. & D. London Office.

QUALIFIED Manager (either sex) required immediately for country town in South-west England (no Heavies). Four-roomed Flat (redecorated), with Bathroom available on premises. Full particulars in first letter, please. Holman, Ham & Co., Ltd., 1 Old Tiverton Road, Exeter.

QUALIFIED Manager wanted for London suburban Pharmacy. 581/811, C. & D. London Office.

REQUIRED Unqualified Assistant. Apply S. A. Sheard, 9 Leeds Road, Harrogate.

REQUIRED immediately Qualified Manager or Assistant for Family dispensing business in Harrogate. 581/810, C. & D. London Office.

ROYAL Arsenal Co-operative Chemists, Ltd., invite applications from qualified Pharmacists for the position of Manager. Good post-war prospects. Also unqualified male or female Assistant. Apply in writing, stating age, experience, salary required and position under the National Service Act or Registration for Employment Order, to the Superintendent Chemist, Royal Arsenal Co-operative Chemists, Ltd., 113 Powis Street, Woolwich, S.E.18.

UNQUALIFIED Assistant wanted for Drug and Surgical Stores; no dispensing. Permanency. State full particulars, wages, etc. 82 Upper Parliament Street, Nottingham.

UNQUALIFIED Assistant required for good-class Suburban Business. No half-day or Sunday duties. Dispensing and Counter. Apply with usual particulars to Arthur T. B. Gray, Ltd., 5 High Street, Barnes, London, S.W.13.

UNQUALIFIED Assistant required. Dispensing experience essential. Lady just completed apprenticeship would suit. Please state age, experience, and salary required. Gwillim, Chemist, Brecon.

UNQUALIFIED Assistant, either sex, required for Dispensing, or would suit over age, qualified. No half-day, holiday or Sunday duties. Congenial progressive post. Good salary. Every consideration given to right person. Land, 448 Kingsland Road, London, E.8. Clissold 9500.

WANTED, Chemist, exempt from military service, for Herbal prescribing practice, for duration. Ability to diagnose and prescribe essential. 581/827, C. & D. London Office.

WHOLESALE

AGENT wanted, calling on retail chemists, etc., in Shropshire and Worcestershire, to handle old-established line on 10 per cent. commission. Steady income. 581/803, C. & D. London Office.

ARTHUR H. COX & CO., Ltd., Brighton, require the services of Experienced Pill-maker. The position is permanent, with good wages and post-war opportunities to the right man. Apply by letter, giving full details. 580/772, C. & D. London Office.

AN old-established Firm of Agricultural and Horticultural Chemists have Vacancies for Travellers calling on Chemists, Seedsmen and Iron mongers in the following territories: Nottinghamshire, Derbyshire, Leicestershire, Northamptonshire, Bedfordshire, Huntingdonshire, Rutland, Norfolk, Suffolk, Essex, Cambridgeshire, Oxfordshire, Buckinghamshire, Berkshire, Hertfordshire, Kent, Sussex, Surrey, and South Wales. State age and full particulars as to past experience and present agencies. On commission basis. 580/798, C. & D. London Office.

ANALYTICAL Chemist required by London Manufacturing Chemists, working under Essential Works Order. Practical works experience of general routine analysis and alkaloidal assays of drugs, including opium, essential. Reply, giving particulars of experience, salary, etc., to 578/706 C. & D. London Office.

CAPABLE Counter Hand (male) for dry goods preferably with knowledge of packing dangerous drugs, not eligible military service, required by Manufacturing Chemists outskirts N.W. London. Details as to experience, age, etc., to Box 152, Whites, Ltd., 72/78 Fleet Street, London, E.C.4.

COSTING Clerk (female) required by Manufacturing Chemists. Previous experience preferable but not essential. Reply, stating full details, to Matthew & Wilson, Ltd., 6 and 8 Cole Street, London, S.E.1.

ESSENTIAL Oil Expert, with good knowledge of trade, required as Manager for small concern. Good salary and commission. Application in confidence to 580/788, C. & D. London Office.

EXPERIENCED Tablet-maker required for the Midlands. Permanent position with good prospects. State age, qualifications and wages required. 581/832, C. & D. London Office.

FIRST-CLASS Representatives with good connections amongst Chemists, Stores, etc., required to carry Proprietary lines. Send fullest particulars in confidence, stating area covered, etc. Commission basis. 581/829, C. & D. London Office.

LONDON Chamois Leather Merchants and Wholesalers of pharmaceutical products require Agents in the following districts: Southern England, the Home Counties, Wales and the Midlands. Competitive lines. Please reply. 581/805, C. & D. London Office.

MEDICAL Representatives. Well-known Firm Manufacturing Chemists require the services full-time Representatives, well experienced medical propaganda, in the Midlands and North Counties. Qualified M.P.S. preferred. No direct sale of preparations but education and propaganda only involved. Write, giving full details of qualifications, experience and wages expected, to Box 35 Smiths', 100 Fleet Street, E.C.4.

NORTH of England firm of Manufacturing Chemists (Essential Industry) requires Chemist Ph.C., or Pharmacy degree. Experience in general routine analysis essential. Knowledge of galenic manufacture and preparation of sterile solutions an asset. Full details on application to 581/807, C. & D. London Office.

OPENING occurs for an energetic Man, preferably a Pharmacist, to take up the position of Manager of the Specialities Department of a company about to be formed in India. Previous experience in the handling of ethical medical products essential together with wide knowledge of the nature and uses of modern drugs. 581/826, C. & D. London Office.

PART-TIME Assistant (mornings, 8 a.m. to 1 p.m.) exempt from military service, required by Manufacturing Chemists in S.E. London for light duties in Laboratory and other Departments. State usual full particulars in first application. 581/800, C. & D. London Office.

PHARMACEUTICAL and Industrial Products Representative wanted. Commission based. Tremendous post-war prospects. International organisation. Send particulars, experience, area covered. 581/802, C. & D. London Office.

PROGRESSIVE Pharmaceutical manufacturers have Vacancy for enterprising development chemist to tackle experimental Compounding and Formulations. Write, stating details of experience, salary desired and when available to 582/831, C. & D. London Office.

REPRESENTATIVES required for London and Home Counties and other districts for Briccas chemicals, Gold Seal Label Packets, etc. Salary and commission. Permanency. Send details of connexion, territory, copies of references to Briccas, Ltd., 4 Cavendish Place, London, W.1.

REPRESENTATIVE required. Salary and commission. Apply Harman Dietetic Laboratories, Ltd., 109 The Broadway, Cricklewood, N.W.2.

SALES Manager required for reputable progressive London firm making chemical household products widely distributed. Applicants should be well educated and have initiative and good connexions with grocers and the chemical trade. Good post-war prospects. Apply in confidence to 581/808, C. & D. London Office.

SALES Manager required by manufacturing firm specialising in Cosmetic and Pharmaceutical preparations. Good salary and excellent prospects. Write "S.C.," c/o Charles Barker & Sons, Ltd., 31udge Row, London, E.C.4.

STAFFORD, ALLEN & SONS, Ltd., Drug and Pharmaceutical Manufacturers, essential oil stillers, require a Manager for their export department. Applicants are invited to write, stating age, experience and salary required, to 20 Wharf Road, London, N.1.

TABLET MAKER required to take full control of machinery. Five-day week. Permanent and progressive position to suitable applicant. Apply Goodman (Chemicals), Ltd., Devonshire Works, Arley Mow Passage, Chiswick, W.4. 'Phone Chiswick 2539 for appointment.

WANTED, qualified Pharmacist with wholesale, agricultural and industrial experience. Small capital for investment an advantage but not essential. Apply in first instance, giving full particulars previous experience and salary required to Sturton Sons, Ltd., 78 Bridge Street, Peterborough.

SITUATIONS WANTED

2/6 for 18 words or less, 1d. for every additional word.

RETAIL (HOME)

ACCOUNTANT/BOOK-KEEPER is available part time. Maintenance to Balance Sheet and Income Tax Returns. 579/756, C. & D. London Office.

WHOLESALE

FIRST-CLASS opportunity for reputable Pharmaceutical and/or Toilet House wishing to engage well-educated young executive as Sales Leader to develop post-war business. Fifteen years' invaluable representative experience amongst Chemists and allied trades. 579/750, C. & D. London Office.

EXPERIENCED Representative with good connexion among wholesale and retail Chemists and Hairdressers, Departmental and Chain Stores, Co-operative Societies, etc. Already representing one manufacturer, is permitted to carry one other non-clashing line, and desires to contact manufacturing firm of repute able to offer merchandise with definite post-war potentialities. 15 years' experience same area. Commission basis. 581/824, C. & D. London Office.

FIRST-CLASS Representative open to negotiate with firm of repute for permanent position South and West Wales area. Sixteen years' experience. Excellent Chemist and Stores' connexions. 581/806, C. & D. London Office.

FACTORY Manager. Advertiser, ineligible, seeks position. Experienced in the manufacture of Proprietarys, including compressed tablets, toilets, perfumes, etc. Accustomed to the control of labour and staff training. 581/830, C. & D. London Office.

GENTLEMAN, age 42, exempt, [desires Sales Administrative post; 14 years' experience Home and Export trade. 581/819, C. & D. London Office.

PHARMACEUTICAL Chemist with degree seeks Change from Retail to concern where qualification and good knowledge therapeutics can be utilised. Age 26. 581/821, C. & D. London Office.

REPRESENTATIVE, age 50, with 27 years' connexion Chemist, Devon, Dorset, and Cornwall, seeks position. Would entertain C.F. lines on expenses and commission basis. Good references. Replies to Energetic, c/o Barclays Bank, Teignmouth.

TABLETS, etc. Wanted position, Technical and Supervisory capacity; experienced all branches; London area. 581/822, C. & D. London Office.

MISCELLANEOUS SALES

12/6 for 60 words or less, 1/- each additional 10 words or less

FOR Disposal—48 volumes of the "C. & D." in good condition, half leather bound, for the following years: 1888-9, 1890-93, 1903-15. Offers to Lennon, Ltd., 77/79 King William Street, London, E.C.4.

IRON Sulphate, B.P., Crystals. 2 Tons in Casks. Best offer. Veterinary Research, London Road, Thornton Heath.

NAME plates for Chemists. Neatly engraved. Send wording for full-size sketch and list (enclose 3d. stamps). G. Maile & Son, Ltd., Engravers, 367 Euston Road, London, N.W.1.

2-OZ. Vials, 5/10 gross; 18/- per gross. 10-oz. Osborne Jars in stock. Wright's Chemists, Carrickfergus.

BUSINESSES WANTED

7/6 for 40 words or less, 2d. for every additional word.

DISENGAGED shortly. Pharmacist would take over almost immediately sound business in southern county (S.W. preferred). Accommodation on or off. Strict, conscientious and confidential dealings. Full particulars to 581/823, C. & D. London Office.

GENUINE Business required. Main road Drug Store and Toilet Requisites, Fancy Goods, etc. Good position, preferably London or N.W. suburb. Premium for sound business with prospects. 581/818, C. & D. London Office.

HILLIER, PARKER, MAY & ROWDEN, Surveyors and Valuers, 77 Grosvenor Street, W.1, have applications for several sound and progressive single-shop Businesses occupying premier trading positions in London and Provinces, or a Group Concern would be seriously considered. Owners contemplating sale or their solicitors are invited to write for further information to Hillier, Parker, May & Rowden, 77 Grosvenor Street, W.1.

WANTED in Southern Counties, several good-class Chemists' businesses—any size. Particulars in confidence to Raymond Beaumont, 35 East Street, Brighton.

WANTED, neglected Drug Store or Chemists' Shop in Yorkshire, West Riding area. Particulars in confidence to 581/825, C. & D. London Office.

PREMISES WANTED

A FIRM of Manufacturing Chemists wishes to buy a factory site on one of the main roads in or outside London for immediate or post-war occupation. Any already existing buildings would be an advantage. Please write to 581/814, C. & D. London Office.

APPOINTMENTS

WARREN ROAD HOSPITAL GUILDFORD

ASSISTANT PHARMACIST. Temporary, for further duration of war. Salary grade for applicants holding M.P.S. or Ph.C. qualifications, £250 × £10—£300 p.a., plus war bonus, 19s. male, 15s. 6d. female. Salary grade for unregistered Dispenser, £175 × £10—£225, plus war bonus. Apply to Medical Superintendent.

KINGSTON COUNTY HOSPITAL

WOLVERTON AVENUE, KINGSTON-ON-THAMES
ASSISTANT PHARMACIST. Must be M.P.S. or Ph.C. Salary grade, £250 × £10—£300 p.a., plus war bonus, 19s. male, 15s. 6d. female. On Council's permanent staff. Apply to Medical Superintendent.

SURREY COUNTY COUNCIL

PUBLIC HEALTH DEPARTMENT

REDHILL COUNTY HOSPITAL

EARLSWOOD COMMON, REDHILL

ASSISTANT PHARMACIST. Candidates must be M.P.S. or Ph.C. Commencing salary according to experience, on grade £250 × £10—£300 p.a., plus war bonus, 19s. p.w. male, 15s. 6d. p.w. female. Temporary; for duration of war. Apply to Medical Superintendent.

AGENCIES

7/6 for 36 words or less, 2d. for every additional word.

FIRST-CLASS Scottish Wholesale Distributing Firm, established 50 years, with excellent connexions with Retail Chemists in Scotland, desires to contact manufacturers of nationally-advertised preparations with view to sole distribution. Apply, 578/717, C. & D. London Office.

MANUFACTURERS of nationally known, high-class Insecticides and other kindred manufactures, wish to appoint sole Agents to distribute their products in bulk to public authorities, schools, hospitals, canteens, etc. Only firms of high repute and with extensive and live organisation should write. Box 396, Sells, Ltd., Brettenham House, Strand, W.C.2.

NORTHUMBERLAND and Durham. Manufacturers of high-class advertised Vitamin product wish to make contact with local distributor with view to exclusive territorial selling rights. Write, giving full particulars, to Box CDB/329, C. & D. London Office.

SCOTTISH Agent opening Showroom and Office in Glasgow desires Representation or Distribution for whole of Scotland: Drugs, Chemicals, Sundries, Bottles, Packed Goods and Proprietaries, Surgical Dressings, Plasters, etc. Capital available up to £5,000. 581/804, C. & D. London Office.

SHOP FITTING

MYERS OF OLD ST. THE PHARMACY FITTERS

ALL PHARMACY FITTINGS. New and Secondhand From the single unit—the complete Pharmacy Write, 'Phone or call

L. MYERS, 133-135 OLD ST., E.C.1. Phone: CLE 6381

WANTED

7/6 for 36 words or less, 2d. for every additional word.

ANY quantity loose Female Capsules purchase along with unsaleable stocks, any description such as printed tins, cartons, one-gallon tins. Offer me anything that may appear useless. State particulars, quantity, first letter. Cash. Williams, 2 Tramroadside, Merthyr.

ASPIRIN Powder, Crystals, Tablets wanted by actual user. Highest market prices paid 578/714, C. & D. London Office.

ASPIRIN Powder, Crystals, Grans., and 5-grain tablets, required in large or small quantities. Highest market prices paid. 442/304, C. & D. London Office.

AUTOMATIC Cream Filler wanted at once; best price paid. Shavex Co., 40 Bavaria Road Holloway, N.19.

BOTTLES wanted urgently; sizes, 1-oz. and 3-oz. Medical Flats. Also 1½-oz. Glass Jars. Be & Sons, Ltd., Silverdale Works, Liverpool, 13.

LATEX Goods required in large or small quantities for cash. Offers by letter in first instance 581/816, C. & D. London Office.

MANUFACTURERS please note: Large or small quantities of Glassware wanted by London Wholesale Firm. 579/751, C. & D. London Office.

MENTHOL Crystals. Wanted in small or large quantities. Full price paid. H. E. Matthew Ltd., 66 Kennington Park Road, London, S.E.11.

URGENTLY, by Manufacturers, large quantities 2-oz. and 4-oz. Round Screw Pomades Glass Jars, complete with lacquered caps and cards, possible faced Ceresins. 581/828, C. & D. London Office.

WANTED, Barthell's Methylated Bunsen Burner. Outfit, complete; good condition. State price. Davey, Polperro, Cornwall.

WANTED to purchase, Cameras, Enlargers, and all Photographic Apparatus, Exposure Meter Tripods, etc., Microscopes, Binoculars, Cine Camera and Projectors. Prompt cash and high prices offered. Wallace Heaton, Ltd., 127 New Bond Street, London W.1.

WANTED, copies of Finemore's "Essential Oils." Anterleith Laboratory Manual for the detection of the common poisons. Wallis's Analytical Microscope, Leach's Food Inspection and Analysis. Schneider's Microscopy of Food and Microscopy Vegetable Drugs. Offers to 581/809, C. & D. London Office.

BUSINESS OPPORTUNITIES

7/6 for 40 words or less, 2d. every additional word.

LONDON firm, having Extracting and Evaporating Plant available suitable for the manufacture of Chemical and Pharmaceutical products, see active chemist with full knowledge of trade at initiative. Would also consider joining existing concern. Please write full particulars, in confidence to 580/787, C. & D. London Office.

PACKING Facilities available for Powders (small quantities up to 2 oz.), Pills, Tablets, Saccharin Tablets. Clean and efficient workers. All got ready for dispatch. Write 581/817, C. & D. London Office.

BUSINESSES FOR DISPOSAL

7/6 for 40 words or less, 2d. for every additional word.

EXCELLENT opportunity: Wimbledon. O. established Chemist's Business (temporarily closed during war). Good freehold Shop with Fifth and excellent living accommodation. For Sale with possession. Apply Farebrother, Ellis & Co., 29 Fleet Street, London, E.C.4.



OPENING OF THE SUEZ CANAL 1869

When we began this was the news of the day

In November of 1869 sixty-eight ships, representing all the principal maritime nations, sailed from Port Said on the hundred mile journey to Suez. The Canal was open! Shipping and commerce had entered a new age.

We began in that year, too, for only a few weeks before the opening

of the Canal, Mr. Arthur Boake had founded in London the business now known as A. Boake, Roberts & Co., Ltd. Since then very many products of our manufacture have passed through the Canal, as they have passed along most of the commercial waterways and highways of the World.

A. BOAKE, ROBERTS & CO., LTD.

LONDON, E.15

ABRAC
75th
ANNIVERSARY YEAR

1839

DOWN THROUGH THE YEARS

1944

Since 1839 . . . the 105 years that COX of BRIGHTON has been established . . . there have been years of pioneering effort, years of expansion and progress, but there have also been years of war and depression.

However, through all the ups and downs of over a century of service, Pharmacists everywhere have put their trust in COX who, in spite of present manufacturing difficulties, are still determined to justify this confidence by maintaining the high standard of Quality products, and providing the best possible service under to-days conditions.



ARTHUR H. COX & CO. LTD
Manufacturing Chemists
BRIGHTON ENGLAND

[Telephone: BRIGHTON 3084-5

Telegrams: "COX. BRIGHTON"